

A CHECK LIST OF THE AUSTRALIAN TENEBRIONIDAE

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Plates xvi. and xvii.

Preface.

The Catalogue of Australian Coleoptera published by Masters in 1886 enumerated 127 genera and 512 species of TENEBRIONIDAE. Of these 29 genera and 87 species have since been sunk as synonyms or shown not to refer to Australian insects, leaving 98 valid genera and 425 valid species. The subfamilies in this family were omitted by Masters.

The present check-list contains the names of 28 subfamilies, 169 genera and 1,085 species, an increase of 72 per cent. in the genera and of 155 per cent. in species.

The growing importance of entomology in the economics of agriculture; its co-ordination with other fields of natural history; the vast numbers of insects to be studied by the modern entomologist make it highly desirable that museums and scientific students should have the readiest access to accurate information, to which end a correct catalogue is indispensable.

In this check-list I have not used the faunal subdivisions given by Sloane in his check-list of CARABIDAE [Proc. Linn. Soc. N.S.W., 1905, Suppl.].

The exact locality, where known, is given for species which appear to have a limited habitat. Where the State only, or more than one State is mentioned, a wider range may be inferred.

The large number of apterous forms and the sluggish habits of the TENEBRIONIDAE give them a special value in zoo-geography. The general facts as to the origin of the Australian fauna—established by the evidence of Tate, Spencer and Hedley in general zoology and by Sloane* and Tillyard in entomology contain much confirmatory evidence in the study of this group. Of the 169 genera in the following list no less than 128—or more than 75% are endemic, and include the large genera especially characteristic of our inland fauna, e.g., *Helaeus*, *Saragus*, *Nyctozoilus* and *Adelium* with their allies. Of the remaining genera, seven contain cosmopolitan grain pests—viz.: *Alphitophagus*, *Gnathocerus*, *Latheticus*, *Palorus*, *Sitophagus*, *Tenebrio* and *Tribolium*, while the following table shows the distribution of genera that are not limited to Australia.

The two largest and most widely distributed groups, the *Helaeinae* and the *Adelinae* (the former wholly, the latter almost entirely confined to Australia) include 443 species, or 41% of the total. Again, of the 85 subfamilies in Gehlen's world list no less than 57 (or 67%) are unrecorded from Australia. A brief comparison of the world's TENEBRIONIDAE, in fact, shows this family to be one of the most characteristic local elements of a natural fauna.

There is some evidence of a relation of our TENEBRIONIDAE with those of Oceania. *Scotoderus aphodioides* Pasc. is found in New Caledonia and Wallis Island; *Platydemus striatum* Montr. in New Caledonia and Lord Howe Island;

* Especially see Proc. Roy. Soc. Vic. 1915, Part i.

both having a wide distribution in eastern Australia. One species of *Diphyrrhynchus* occurs in New Zealand; while many of our genera—especially of the *Adeliinae*—show a great convergence with Pacific Island forms—*Hydissus* (*Meneristes*) *curtilus* Oll. and *H. vulgaris* Oll. from Lord Howe Island are closely related to our common *H. feronioides* Pasc.

The Indo-Malayan immigration is well marked in the more brilliant metallic beetles like *Amarygmus*, of which the nearest ally, *Chalcopterus*, is the most numerous genus of Australian TENEBRIONIDAE—as well as forms like *Ceropria*, *Leiochrodes*, and the fine groups of *Cyphaleinae* and *Cnodaloninae*. One species of *Promethis* has a doubtful record from India. A pertinent fact in this connection comes from a late publication, “Résultats de l'expédition Scientifique Néerlandaise à la Nouvelle Guinée, Tenebrionidae,” 1920. Of the 64 genera here recorded by Gebien for this island no less than 31 are in the Australian list, while the following—besides five cosmopolitan species—occur on both sides of Torres Strait:—

Mesomorphus viliger Blanch.

Bradymerus crenatus Pasc.

B. raucipennis Blk.

Ceropria peregrina Pasc.

C. maculata Geb.

Leiochrodes suturalis Westw.

Dioclina nitida Cart.

Palorus austrinus Champ.

Setenis sulcigera Boisd.

Encyalesthus atroviridis Mael.

Toxicum punctipenne Pasc.

Espites basalis Pasc.

Chariothes planicollis Fairm.

Amarygmus morio F.

Chalcopterus bellus Blackb.

C. modestus Blackb.

There is little doubt but that further researches in the Papuan fauna will result in the discovery of analogous occurrences.

It is more difficult to trace species having Antarctic origin or affinity. Probably some of the Tasmanian genera and those which range from Tasmania along the Alpine regions of Victoria and New South Wales, come under this category, e.g., *Cotulades*, *Brycopia*, the purely Tasmanian *Edylius*, *Enneboeus*, *Melytra*, *Phaennis* and the moss-beetles *Mnionophilus* and others.

With American TENEBRIONIDAE there is little connection—*Adelium sulcatulum* Fairm. is a solitary Chilean representation of one of our principal groups. But the most remarkable connection with American fauna occurs in the case of *Tretothorax cleistostoma* Lea—a species found in ants' nests in N. Queensland—the single member of a group of which the four otherwise known representatives are all American—their habitats being respectively California, Texas, San Domingo and Colombia. These extraordinary insects form a separate subfamily, and are so different from anything in the whole race of TENEBRIONIDAE—that the describer of the Australian species—as also the late veteran entomologist, Canon Blackburn—placed it in a new family (TRETOTHORACIDAE). Our ocean beach fauna contains species with a wide range. Thus *Caedimorpha heteromera* King is as common at Fremantle as in the Sydney district; *Caedius sphaeroides* Hope ranges from Queensland to Western Australia, while the genus *Trachyscelis* is of world-wide distribution.

The most numerous genera in our list are the following:—

Chalcopterus, 110 species. Widely spread.

Pterohelacus, 82 species. Widely spread.

Cardiothorax, 64 species. Confined to Eastern Australia.

Adelium, 62 species. Widely spread.

Saragus, 56 species. Widely spread.

Amarygmus, 55 species. Widely spread.

Helaeus, 48 species. Chiefly central and western.

While *Seiratrana*, *Licinoma* and *Brycopia*—all closely related to *Adelium*—include 73 species between them.

The following genera have disappeared from Australian lists since the date of Masters' catalogue:—

Emeax Pasc. = *Nyctoporis* Esch.
Pseudocaedius Blkb. = *Sobas* Pasc.
Prionotus Muls et Rey = *Achora* Pasc.
Apostethus Pasc. = *Adelodemus* Haag.
Opatrum F. (Aus. spp.) now *Gonocephalum* Chev.
Isostira Pasc. = *Bradymerus* Perr.
Ecripsis Pasc. = *Ammidium* Er.
Phycosecis Pasc. (now *Trogositidae*).
Ulodica Pasc. = *Uloides* Er.
Latometus Er. = ? *Colydiidae*.
Typhobia Pasc. = *Platydemia* Cast et Br.
Hoplocephala Cast et Br. = *Arrhenoplita* Aus. spp. probably *Pentaphyllus*

Latr.

Acthosus Pasc. = *Uloina* Cast.
Lindia Blkb. = *Lyphia* Muls.
Saragodinus Bates = *Dysarchus* Pasc.
Chileone Bates = *Hypaulax* Bates.
Nyctobates Guér. Aus. spp., now *Setenis*.
Ephidonius Pasc. = *Brises* Pasc.
Tyndarismus Pasc. = *Lepispilus* Westw.
Augolesthus Motsch. = *Chariotheca* Pasc.
Dechius Pasc. = *Scotoderus* Perr.
Microphytes Mael. = *Alphitobius* Steph.
Moerodes Waterh. = *Prophanes* Westw.
Apomestris Bates = *Altes* Pasc.
Decialma Pasc. = *Olisthaena* Er.
Tetraphyllus Cast et Br. (Aus. spp. now *Hemicyclus* Westw.).
Dinoria Pasc. = *Brycopia* Pasc.
Pseudhelops Guér. (Aus. spp. now *Coripera* Pasc.).
Arcothymus Pasc. (a New Caledonian genus).
Minopeus Pasc. = *Cilibe* Breme. [*M. amaroides* Pasc. = *Cilibe elongata* Br.

N.Z.].

Cymbeba Pasc. A New Caledonian genus.

Euryptera Pasc. = *Amarygmus* Dalm.

GENERA NOT LIMITED TO AUSTRALIA.

Occurring also in					Occurring also in				
Europe.	Asia.	Africa.	America	Oceania.	Europe.	Asia.	Africa.	America	Oceania.
<i>Alphitobius</i> .	*	*	*	*	<i>Chariotheca</i>	*	*	*	*
<i>Amarygmus</i> .	*	*	*	*	<i>Cossyphus</i> ..	*	*	*	*
<i>Anemia</i> ..	*	*	*	*	<i>Crypticus</i> ..	*	*	*	*
<i>Bradymerus</i>	*	*	*	*	<i>Derispia</i> ..	*	*	*	*
<i>Byrsax</i> ..	*	*	*	*	<i>Diphyr-</i>	*	*	*	*
<i>Caedius</i> ..	*	*	*	*	<i>rhyncus</i> ..	*	*	*	*
<i>Ceropria</i> ..	*	*	*	*	<i>Enneboeus</i> ..	*	*	*	*

	Occurring also in					Occurring also in				
	Europe.	Asia.	Africa.	America.	Oceania.	Europe.	Asia.	Africa.	America.	Oceania.
<i>Encyalesthus</i>		*				<i>Promethis</i> ..	*			
<i>Gonocephalum</i>	*	*				<i>Pseudostrongy-</i>				
<i>Ilopocephala</i>		*	*	*	*	<i>lium</i>	*		*	
<i>Hypophloeus</i>	*	*	*	*		<i>Scotoderus</i> .				*
<i>Lepispilus</i> ..		*				<i>Setenis</i> .. .	*		*	*
<i>Leiochrodes</i> .		*	*		*	<i>Strongylium</i>			*	
<i>Lyphia</i> .. .	*	*	*			<i>Tarpela</i> .. .	*		*	
<i>Menephilus</i> .	*	*	*			<i>Thesilea</i> .. .	*			*
<i>Mesomorphus</i>		*	*			<i>Toxicum</i> .. .	*	*	*	*
<i>Pentaphyllus</i>	*	*	*	*		<i>Trachyscelis</i>			*	
<i>Platydemu</i> .	*	*	*	*	*	<i>Uloma</i> .. .	*	*	*	*

"Je ne m'entendrais pas sur les difficultés exceptionnelles qui présentent la classification de cette famille; elles sont connues de tous les entomologistes qui ont abordé son étude." Lacordaire, Col. v., p. 12, "Il est presque inutile de dire que les caractères inscrits dans le tableau suivant, qui m'a coûté beaucoup de peine, ne s'appliquent qu'à la généralité des espèces de chaque tribu." i.e., p. 290, Lacordaire (1859).

"This family contains a large number of genera, possessing in common very few characters, yet linked together by such gradual changes in structure that their classification presents almost insuperable difficulties. The division into tribes can scarcely be exhibited in a tabular form, on account of the varied relations exhibited by the members of some of the tribes." Leconte and Horn. "Col. of N. Amer.," p. 359 (1883).

The above quotations will, I trust, to some extent excuse the weakness in some of the links in the tabular chain I have tried to forge. Intended as a guide to students of our Coleoptera, it has been to some extent adapted from the works of the authors quoted above.

The term subfamily has been employed in order to facilitate the use of the key with the classification adopted in the Junk Catalogue of Tenebrionidae, edited by Hans Gebien, the European authority on the family.

The large additions made to the genera and species since Lacordaire's work appeared, together with the increased knowledge available has led to changes—a few of which are indicated below. At the same time the general arrangement and, in great part, the lesser details remain as Lacordaire gave them—a striking testimony to his grasp of the subject.

I have used to some extent Lacordaire's divisions *Platagènes* and *Otidogènes* in No. 9 of my key, as generally applicable. It may be noted, however, that in the much larger group of *Platagènes* "having the antennal orbits wide and unelevated" there occur exceptions like *Pterohelaeus cornutus* MacL., and *Onosterrhus bos* Cart., in which the orbits are angulate and elevated. But even then the orbits are quite distinct from the narrowly subtriangular process found in the *Amarygminae*.

I have sought in vain for a clear distinction between the *Pedininae* and the *Opatrinae*. Lacordaire, followed by Leconte and Horne, give the dilatation of the front tarsi in the male in the former group as the separating character; but even if constant this seems to me too trivial a division between subfamilies, while an examination of the species of *Cestrinus* and *Mesomorphus* shows this character as evanescent.

I have raised *Briseis* to subfamily rank, a distinction long overdue. An analysis of its distinctive characters may be found in Proc. Linn. Soc. N.S. Wales, 1914, pp. 45, 46. The subfamily *Amphidorinae* has been separated from the *Adellinae* (from which our genera *Ectyche*, *Micretyche* and *Phaennis* are clearly separated *inter alia* by their subspinose tarsal clothing, as originally indicated by their authors).

Key to Subfamilies.

1. Ventral segments 3 and 4 with hind margins coriaceous 5
- Ventral segments entirely corneous 2
2. Middle coxae without visible trochantins 3
- Middle coxae with visible trochantins *Nyctoporinae*.
3. Anterior coxae widely separated *Zopherinae*.
- Anterior coxae subcontiguous 4
4. Antennae with 11 visible segments *Stenosinae*.
- Antennae with 10 visible segments
- (11th segment sunk within the 10th) *Dacoderinae*.
5. Tarsi spinose beneath 6
- Tarsi bristled or ciliate beneath 8
- Tarsi pilose or tomentose beneath 9
6. Antennae short *Trachyscelinae*.
- Antennae moderately long 7
7. Antennal segments gradually widening outwards *Phalerinae*.
- Apical segments of antennae very slightly thickened *Crypticinae*.
8. Front feebly dilated at sides, body clothed with long erect hairs *Amphidorinae*.
- Front broadly dilated at sides, body not so clothed *Opatrinae*.
9. Antennal orbits wide and rounded, not (or little) raised 10
- Antennal orbits short and erect 22
10. Head with ocular groove to receive base of antennae 11
- Head without such groove 12
11. Head with transverse excavation behind mentum *Bolitophaginae*.
- Head without such excavation *Ulodinae*.
12. Eyes more prominent than antennal orbits 13
- Eyes less prominent than antennal orbits 14
13. Mandibles simple *Leiochrinae*.
- Mandibles bifid at apex *Diaperinae*.
- Mandibles trifid at apex *Phrenapatinae*.
14. Penultimate segment of tarsi entire 15
- Penultimate segment of tarsi bilobed *Heterotarsinae*.
15. Middle coxae without trochantins 16
- Middle coxae, with trochantins 17
16. Margins of pronotum and elytra not (or feebly) foliate *Ulominae*.
- Margins of pronotum and elytra foliate *Cossyphinae*.
17. Mesosternum deeply notched. Metasternum (in general) elongate 18
- Mesosternum not (or scarcely) notched. Metasternum (in general) short 22
18. Margins of elytra and pronotum foliate *Helacinae*.
- Margins of pronotum only foliate *Nyctozeilinae*.
- Margins of pronotum and elytra not foliate 19
19. Mesosternum declivous, slightly concave or flat *Tenebrioninae*.
- Mesosternum horizontal, forked or strongly concave 20
20. Mandibles bifid at apex, prosternum (in general) carinate 21

- Mandibles entire at apex, prosternum not carinate *Cnodaloninae*.
 21. Tibial spurs and tarsal claws very long *Briseinae*.
 Tibial spurs and tarsal claws normal *Cyphaleinae*.
 22. Elytra narrowly embracing body, outer antennal segments not
 flattened *Adeliinae*.
 Elytra widely embracing body, outer antennal segments flattened *Helopinae*.
 23. Body apterous *Meracanthinae*.
 Body winged 24
 24. Head vertical, body ovate *Amarygminae*.
 Head lightly inclined, body elongate ohlong *Strongyliinae*.

KEY TO GENERA.

I. ZOPHERINAE. Contains only the "iron bark" beetle. *Zopherosis georgei* White.

II. STENOSINAE, includes two genera, *Cotulades* and *Docalis*—small, obscure insects found under bark—especially in Tasmania and Australian mountain regions—having short antennae and tarsi and narrow, subquadrate prothorax. They may be separated thus:—

Elytra widely ovate *Cotulades*.
 Elytra oblong *Docalis*.

[Gebien placed *Docalis* under *Nyctoporinae*, possibly due to Pascoe's misleading phrase, "legs short, the intermediate furnished with *trochanters*." This is either a misprint for *trochantins*—or is meaningless since few insects are unprovided with *trochanters*. If the former alternative is the case I think he was mistaken. I can find no sign of this structure in *D. fumerosus* Hope].

III. DACODERINAE. *Tretothorax cleistostoma* Lea. An inquiline of curiously elongated form—the head produced into a beak—is the unique representative. After considerable discussion, since its discovery by Hacker, its position was determined by Blair [Ent. Mon. Mag., 1918, pp. 152, 153].

IV. NYCTOPORINAE. A single genus *Exangeltus*, with three species belongs here. Often mistaken for *Cistelidae*, they are superficially remarkable for the multi-seriate sculpture of the elytra.

V. AMPHIDORINAE.

1. Sides of pronotum entire; head unarmed in ♂ 2
 Sides of pronotum dentate; head horned in ♂ *Phaennis*.
 2. Humeral angle rounded *Ectyche*.
 Humeral angle dentiform *Micretyche*.

VI. OPATRINAE (including PEDININAE).

1. Clothing squamose, ciliate or shagreened 2
 Clothing not as above, surface, more or less nitid 10
 2. Form oblong or oblong-oval 3
 Form more or less orbicular 8
 3. Colour mottled—tawny and white (a) *Endothina*.
 Unicolorous 4
 4. Eyes divided *Mesomorphus*.
 Eyes not divided 5
 5. Elytra costate or tuberculate 6
 Elytra striate or sulcate-punctate 7
 6. Prosternum forked at apex (h) *Adelodemus*.
 Prosternum not forked *Achora*.
 7. Antennae short (not reaching base of prothorax) *Gonocephalus*.
 Antennae long (reaching base of prothorax) *Cestrinus*.
 (c) *Apotelus*.

8. Scutellum visible (d) *Caedimorpha*.
 Scutellum not visible 9
9. Elytra tuberculate *Caedius*.
 Elytra without tubercles *Sobas*.
10. Elytra striate-punctate 11
 Elytra irregularly punctate 14
11. Form elongate, subdepressed 12
 Form ovate, very convex 13
12. Nitid, glabrous, size larger (5 mm. or more long) *Heterocheira*.
 Opaque, pilose, size smaller (3 mm. or less) *Hyocis*.
13. Clypeus excised at apex, elytral striae well defined *Scymena*.
 Clypeus truncate, elytral striae sub-obsolete *Diphyrrhynchus*.
14. Pronotum foliate at sides *Edyllus*.
 Pronotum not foliate at sides *Anemia*.
Mesomorphus, *Gonocephalum*, *Cestrinus*, *Achora* and *Adelodemus* occur inland, the remaining genera are sandy beach insects, though *Anemia* and *Hyocis* are not exclusively so.

(a) *Endothina* is near and may be congeneric with *Leichenium* Blanch.

(b) *Adelodemus* placed by Gebien as synonymous with *Cestrinus* is more nearly allied to *Achora*, though, as I think, distinct.

(c) *Apatelus hopei* Muls. is probably a *Cestrinus*. It has not been identified in collections.

(d) The six characters mentioned by the author as distinguishing *Caedimorpha* from *Caedius* are all found in *Caedius sphaeroides* Hope, but the obvious scutellum and distinct sculpture in *Caedimorpha* differentiate the genera.

VII. TRACHYSCELINAE. In Australia the only genus is *Trachyscelis*, containing minute sub-spherical insects to be found plentifully on our beach sand hills. They are remarkable in that the number of antennal segments varies with the species, *T. ciliaris* Champ. having 10, *laevis* Champ. and *nigra* Cart. having 11 segments [Vide Proc. Ent. Soc. Lond., 1907, p. xxvi.].

VIII. PHALERIINAE. *Sphargeris physodes* Pasc. A sub-spherical sea-beach insect, without seriate sculpture, is our only representative.

IX. CRYPTICINAE. Another monotypic group containing *Crypticus submaculatus* Champ. found on sea-beaches of north-west Australia.

X. BOLITOPHAGINAE.

1. Antennae clavate 6
 Antennae not clavate 2
2. Strongly convex, elytra tuberculate 3
 Less convex, elytra not tuberculate 4
3. Head of ♂ horned *Byrsax*.
 Head of ♂ without horns *Mychestes*.
4. Elytra sulcate-punctate 5
 Elytra costate (without seriate punctures) *Elascus*.
 ? *Latometus*.
5. Sides of pronotum crenated *Bradymerus*.
 Sides of pronotum entire *Scotoderus*.
6. Antennae with 10 segments *Orcopagia*.
 Antennae with 11 segments 7
7. Form more or less oblong and depressed 8
 Form ovate and convex 10
8. Antennal club of 2 segments *Caanthus*.
 Antennal club of 3 segments 9

9. Elytra with rows of tubercles *Ilyxerus*.
Elytra striate-punctate *Notocerastes*.
10. Sides of pronotum explanate (1) *Mnionychus*.
Sides of pronotum involute *Enhypnon*.

(1) I propose the name *Mnionychus* for *Mnionophilus* Cart., since *Mnionophila* has been twice used previously (Stephens, 1831) and (Boisduval, 1840, Lep.).

XI. ULODINAE.

1. Antennae sub-clavate (apical 2 or 3 clearly wider than preceding) 2
Antennae lightly widening to apex *Trichulodes*.
Antennae not widening to apex *Ulodes*.
2. Sides of pronotum excised behind *Ganyme*.
Sides of pronotum not excised behind *Dipsaconia*.

The tabulation of this group by Pascoe [Ann. & Mag., 1869, p. 31] is misleading. (1) In both *Dipsaconia* and *Ganyme* the 3 apical segments are wider than the rest, though scarcely clavate. (2) The distinction "Prothorax scaly at the sides, *Ulodes*," and "Prothorax ciliate, *Dipsaconia*" is fallacious, both having similar or identical scaly clothing.

(3) The character "Antennae art 3 quam 4 duplo longiore" as distinguishing *Ulodica* from *Ulodes* is inaccurate, the 3rd segment being only slightly longer than the 4th. It is, I think, too trivial a character for generic distinction, and the name *Ulodica* should disappear as a synonym.

This group is doubtfully separable from the *Boletophaginae*, though Gebien in the Junk Catalogue follows Pascoe in this. Of the two distinguishing characters given by Pascoe, the globose fore-coxae are found in both groups (e.g., *Mychestes*). I have used the other in my key.

XII. DIAPERINAE.

1. Antennae not clavate 2
Antennae clavate 7
2. Antennae serrate on inside *Ceropria*.
Antennae not serrate on inside 3
3. Antennae strongly widened to apex *Enneboeopsis*.
Antennae not strongly widened to apex 4
4. Body oval 5
Body spherical (facies of *Leiochrinus*) *Derispia*.
5. Posterior tarsi having segment 1 longer than 2-3 combined 6
Posterior tarsi having segment 1 not longer than 2-3 combined *Alphitophagus*.
6. Post-intercoxal process wide and sub-truncate *Spiloscapa*.
Post-intercoxal process narrow *Platydema*.
7. Apical 5 segments of antennae forming loose club *Pentaphyllus*.
Apical 2 segments of antennae clavate *Enneboeus*.

[Note:—*Hoplocephala* (nom. praecox.) = *Arrhenoplita*. Four Australian insects have been referred by their describers to this genus. *A. exilis* Champ. *pygmaea* Champ. and *erecta* Lea having clavate antennae should be placed under *Pentaphyllus*. *H. callistomonis* Motsch. is unknown in collections and impossible to determine from description. I have not seen a true *Arrhenoplita* from Australia. The genus shares with *Platydema* (at least in some species) the sexual character "males horned," but its species are narrower and more convex than *Platydema*].

XIII. LEOCHRINAE. *Leiochrodes suturalis* Westw. A Coccinella-like insect, is our sole representative. Originally described from Amboina, it has a wide range, being recorded from New Guinea by Gebien. I have found it on the ground under decaying leaves near Sydney, the Tweed River, and near Rockhampton.

XIV. PHRENAPATINAE. A single genus, *Platycilibe*. These are small beetles, found in decaying logs, having tridentate mandibles. I have not been able to see this character in *Brachycilibe*, a genus otherwise allied to *Platycilibe*.

XV. ULOMINAE.

- | | | |
|--|----|-----------------------|
| 1. Antennae clavate | 2 | |
| Antennae not clavate | 7 | |
| 2. Head of ♂ horned | | <i>Gnathocerus</i> . |
| Head of ♂ not horned | 3 | |
| 3. Elytra striate-punctate | 4 | |
| Elytra seriate-punctate | | <i>Microcilibe</i> . |
| Elytra irregularly punctate | 5 | |
| 4. Antennal club with 4 segments | | <i>Tribolium</i> . |
| Antennal club with 2 or 3 segments | | <i>Brachycilibe</i> . |
| Antennal club with 1 segment | | <i>Micruloma</i> . |
| 5. Species with eyes | 6 | |
| Species blind | | <i>Thorictosoma</i> . |
| 6. Form cylindric, antennal club with 4 segments | | <i>Lyphia</i> . |
| Form depressed, antennal club with 3 segments | | <i>Mesotretis</i> . |
| 7. Antennal segments gradually widened to apex | 8 | |
| Antennal segments widening to 8th, thence narrowing | | <i>Latheticus</i> . |
| 8. Tibiae not denticulate on outer edge | 9 | |
| Tibiae denticulate on outer edge | 13 | |
| 9. Head of ♂ horned | | <i>Sitophagus</i> . |
| Head of ♂ not horned | 10 | |
| 10. Elytra striate punctate | 11 | |
| Elytra irregularly punctate | | <i>Hypophloeus</i> . |
| 11. Antennae short, form moderately convex | | <i>Palorus</i> . |
| Antennae long, form depressed | 12 | |
| 12. Antennae little widened to apex | | <i>Ulomoides</i> . |
| Antennae with last 6 segments abruptly widened | | <i>Diaclina</i> . |
| 13. Species with eyes | 14 | |
| Species blind | | <i>Typhuloma</i> . |
| 14. Epipleurae entire, tarsi not villose | | <i>Alphitobius</i> . |
| Epipleurae abbreviated, tarsi villose | | <i>Uloma</i> . |

XVI. COSSYPHINAE. Monotypic (*Cossyphus Odewahni* Pasc.).

XVII. HELAEINAE.

- | | | |
|---|---|-----------------------|
| 1. Winged | 2 | |
| Without wings | 4 | |
| 2. Mesosternum horizontal, forked | | <i>Encara</i> . |
| Mesosternum declivous, coneave | 3 | |
| 3. Tarsi strongly widened (ante penultimate segment bilobed) | | <i>Pezohelaeus</i> . |
| Tarsi not thus widened | | <i>Pterohelaeus</i> . |
| 4. Head enclosed by prothoracic extension | | <i>Helaeus</i> . |
| Head not thus enclosed | 5 | |
| 5. Form depressed, mesosternum not or feebly notched at apex | | <i>Sympetes</i> . |
| Form convex, mesosternum clearly notched at apex | | <i>Saragus</i> . |

XVIII. NYCTOZOILINAE.

- | | |
|--|---------------------|
| 1. Eyes divided | <i>Dysarchus.</i> |
| Eyes not divided | 2 |
| 2. Anterior tibiae with outer margins dentate | 3 |
| Anterior and intermediate tibiae with outer margins dentate. <i>Trichosaragus.</i> | |
| 3. Mandibles bifid at apex | 4 |
| Mandibles simple | 9 |
| 4. Submentum with strong vertically projecting lateral tooth | 5 |
| Submentum angulate, scarcely or very shortly dentate | 6 |
| Submentum edentate | 8 |
| 5. Form ovate and very convex | <i>Onosterrhus.</i> |
| Form more elongate and depressed | <i>Agasthenes.</i> |
| 6. Elytra smooth (or nearly so) | <i>Amphianax.</i> |
| Elytra rugose-reticulate or costate | 7 |
| Elytra sulcate-punctate | <i>Ononyctus.</i> |
| 7. Form ovate and explanate | <i>Nyctozoilus.</i> |
| Form oblong-ovate, scarcely explanate | <i>Aethalides.</i> |
| 8. Pronotum nearly as long as wide, sides crenulate | <i>Styrus.</i> |
| Pronotum much wider than long, sides entire | <i>Byallius.</i> |
| 9. Body glabrous, margins of tibiae entire | * <i>Onoglypta.</i> |
| Body pilose, anterior tibiae crenulate on margin | <i>Onotrichus.</i> |
- * *Onoglypta*. I propose this name for *Aglypta* Geb. since *Aglyptus* has been twice used previously. (1) Först. (Hymenoptera) 1856. (2) Le Conte (Coleoptera) 1866.

The genera *Onosterrhus*, *Agasthenes* and *Amphianax* are very difficult to separate by any one constant character, the species having concurrent forms. *Aethalides* and *Nyctozoilus* also tend to run into one another, the genotype of the former *Ae. punctipennis* Bates has parallel elytra, while the elytra of *marginicollis* and *decemcostata* Cart. are nearly so, whereas *Ae. Stepheni* and *Ae. Coxi* might be placed justifiably in *Nyctozoilus*.

XIX. TENEBRIONINAE.

- | | |
|--|---------------------|
| 1. Epipleurae entire, mandibles bifid, apterous | 2 |
| Epipleurae abbreviated, mandibles bifid or simple, mostly winged | 6 |
| 2. Tarsi silky pubescent | <i>Hypaulax.</i> |
| Tarsi sparsely pilose | <i>Paratoxicum.</i> |
| Tarsi coarsely pubescent | 3 |
| 3. Form ovate (very nitid) | <i>Asphalus.</i> |
| Form oblong | 4 |
| 4. Elytra strongly costate | <i>Sloanea.</i> |
| Elytra striate punctate | 5 |
| 5. Tibiae strongly spurred at apex | <i>Meneristes.</i> |
| Tibiae feebly spurred at apex | <i>Tenebrio.</i> |
| 6. Antennae non-clavate, head without horns in ♂ | 7 |
| Antennae clavate, head horned in ♂ | <i>Toxicum.</i> |
| 7. Mandibles bifid at apex | 8 |
| Mandibles simple | 10 |
| 8. Tibiae without apical spurs | 9 |
| Tibiae with short apical spurs | <i>Teremenes.</i> |
| 9. Form wide and depressed, apterous | <i>Hydissus.</i> |
| Form narrow and subcylindric, winged | <i>Oectosis.</i> |
| 10. Lateral border of pronotum more or less explanate | 11 |
| Lateral border of pronotum not explanate | 12 |

11. Fore and post-tibiae dentate in ♂ (in *S. sulcigera*) *Setenis*.
 Fore and post-tibiae undentate in ♂ *Promethis*.
 12. Elytra seriate-punctate (punctate-striate) *Encyalcsthus*.
 Elytra striate-punctate *Menephilus*.
Synercticus and *Tanylypa* have open fore coxal cavities, and thus logically fall under *Pythidae*, but, for the present, I prefer to consider them as aberrant members of the TENEBRIONINAE, distinguished thus:—

Elytra irregularly punctate between subobsolete costae *Synercticus*.
 Elytra striate-punctate *Tanylypa*.

XX. BRISEINAE. The single genus *Briseis*. For distinctions from TENEBRIONINAE and CYPHALEINAE see Proc. Linn. Soc. N.S. Wales, 1914, pp. 45, 46

XXI. HETEROTARSINAE. Monotypic (*Notopratacus litoralis* Cart.).

XXII. CYPHALEINAE.

- | | |
|--|--------------------------|
| 1. Prosternum prolonged and carinate | 2 |
| Prosternum not prolonged nor carinate | 23 |
| 2. Antennae rather short, segments 7-10 thicker and shorter than preceding | 3 |
| Antennae long, segments 7-10 little enlarged | 17 |
| 3. Tibiae dilated at apex | <i>Lepispilus</i> . |
| Tibiae not dilated at apex | 4 |
| 4. Body glabrous | 5 |
| Body pilose | 15 |
| 5. Elytra striate-punctate | <i>Platyphanes</i> . |
| Elytra seriate-punctate | <i>Opigenia</i> . |
| Elytra irregularly punctate | 6 |
| 6. Form oblong or oblong-ovate | 7 |
| Form widely ovate or subspherical | 13 |
| 7. Anterior angles of pronotum blunt and little produced | 8 |
| Anterior angles of pronotum acute and produced | 10 |
| 8. Sides of pronotum not foliate | 9 |
| Sides of pronotum foliate | <i>Campanotiphilus</i> . |
| 9. Elytral punctures dense and irregular | <i>Timeneca</i> . |
| Elytral punctures sparse and subseriate | <i>Mitrothorax</i> . |
| 10. Elytra sub-gibbous; eyes rather close | <i>Eutoreuma</i> . |
| Elytra not at all gibbous, eyes widely separate | 11 |
| 11. Form convex, elytra densely punctate | <i>Trisilus</i> . |
| Form depressed, elytra sparsely punctate | 12 |
| 12. Epipleurae entire | (1) <i>Aphectus</i> . |
| Epipleurae abruptly narrowed behind | <i>Olisthaena</i> . |
| 13. Sides of pronotum not foliate | 14 |
| Sides of pronotum foliate | <i>Hemicyclus</i> . |
| 14. Sides of elytra foliate, disc sub-costate | <i>Ospidus</i> . |
| Sides of elytra not foliate, disc non-costate | <i>Bolbophanes</i> . |
| 15. Elytra striate-punctate, body oblong | <i>Laonicus</i> . |
| Elytra irregularly punctate, body oval | 16 |
| 16. Elytra closely punctate with sub-costate impressions | <i>Amarygmimus</i> . |
| Elytra sparsely punctate without such impressions | <i>Altes</i> . |
| 17. Anterior angles of prothorax advanced and spinose | 18 |
| Anterior angles of prothorax advanced but not spinose | 19 |
| 18. Elytra ovate and (in general) strongly convex | <i>Prophanes</i> . |
| Elytra subparallel and depressed | <i>Anausis</i> . |

19. Basal segments of post-tarsi nearly as long as the rest united . *Chartopteryx*.
Basal segments of post-tarsi much shorter than the rest united. 20
20. Epipleurae gradually narrowed behind *Cyphaleus*.
Epipleurae abruptly narrowed behind 21
21. Elytra seriate-punctate, form parallel *Paraphanes*.
Elytra irregularly punctate 22
22. Elytra spinose at apex, form elliptic *Oremasis*.
Elytra not spinose at apex, form widely ovate *Cyclophanes*.
23. Mesosternum notched at apex 24
Mesosternum not notched at apex *Mithippia*.
24. Tarsi closely and finely pilose *Lygestira*.
Tarsi with stiff hairs at apices of segments only *Barytipha*.
(1) *Aphectus*. I propose this name for the preoccupied name *Hectus* Pasc.
used by Fabricius in 1775 (Sys. Ent.).

XXIII. CNODALONINAE.

1. Body winged 2
Body apterous *Apterotheca*.
2. Form sub-cylindric 3
Pronotum explanate, elytra ovate 4
3. Elytra coarsely, irregularly punctate *Titaena*.
Elytra finely striate-punctate *Thesilea*.
4. Mesosternum horizontal (a) *Chariotheca*.
Mesosternum declivous *Espites*.

N.B.—The last two genera doubtfully distinct.

(a) *Chariotheca* Pasc. holds good. My substitution of *Chariothes* was unnecessary since *Chariotheca* Dej is a *nomen nudum*.

XXIV. ADELIINAE.

1. Humeri dentiform 2
Humeri not dentiform 3
2. Terminal segment of antennae as long as the preceding 3 . . *Macroperas*.
Terminal segment of antennae not so long *Daedrosia*.
3. Sides of pronotum foliate 4
Sides of pronotum not, or scarcely, foliate 8
4. Elytra not closely adapted to prothorax 5
Elytra closely adapted to prothorax 7
5. Tarsi tomentose beneath 6
Tarsi pilose beneath *Dystalica*.
6. Front with stirrup-like impression, 3rd antennal segment not
much longer than 4th *Cardiorthorax*.
Front without such impression, 3rd antennal segment much
longer than 4th *Adelium*.
7. Epipleurae subvertical *Coripera*.
Epipleurae acutely connected with elytra *Seirotana*.
8. Mandibles notched at apex 9
Mandibles simple *Eutherama*.
9. Head and sides of pronotum spinose or subangulate *Beplegenes*.
Head and sides of pronotum not so 10
10. Base of pronotum not coarctate *Otrintus*.
Base of pronotum coarctate 11

11. Apex of pronotum emarginate *Nototrinitus*.
Apex of pronotum not (or scarcely) emarginate 12
12. Eyes nearly round *Brycopia*.
Eyes narrow, transverse 13
13. Antennae moniliform, terminal segment large *Leptogastrus*.
Antennae not moniliform, terminal segment moderate 14
14. Tarsi tomentose beneath *Apasis*.
Tarsi pilose beneath *Licinoma*.

XXV. HELOPINAE.

1. Pronotum strongly emarginate 2
Pronotum feebly emarginate * *Metisopus*.
Pronotum not at all emarginate 3
2. Elytra oblong, subparallel *Tarpela*.
Elytra obovate *Austropeus*.
3. Prosternum more or less compressed *Omolipus*.
Prosternum not compressed *Campolene*.

*The monotypic *Metisopus purpurcipennis* Bates is found in Norfolk Island.

XXVI. MERACANTHINAE.

Two genera each with a single rare species, of widely different facies are known from tropical Queensland. To these I have added *Melytra* from Tasmania, placed inappropriately, I think, by Gebien under the *Cnodaloninae* and by its author under *Apocryphinae*. It must be excluded from the latter by the presence of trochantins on the intermediate coxae. The long, slender antennae, sides of front obliquely (though slightly) elevated, hind coxae widely separated, the convex, oval and apterous body are all consistent with the position assigned to it here.

The three genera are readily separable as follows:—

- Elytra strongly and closely pustulose *Bluops*.
Elytra coarsely sulcate-punctate: size large *Axynaon*.
Elytra seriate punctate: size small *Melytra*.

XXVII. AMARYGMINAE.

1. Glabrous 2
Pilose *Trichamarygmus*.
2. Mandibles bifid at apex *Amarygmus*.
Mandibles simple *Chalcopterus*.

XXVIII. STRONGYLINAE.

1. Form subeylindric and elongate *Strongylium*.
Form oblong and shorter 2
2. Pronotum nitid, sides straight and entire 3
Pronotum opaque, sides dentate in middle *Notostongylium*.
3. Shoulders with elevated callosities *Pseudostongylium*.
Shoulders without callosities *Ebenolus*.

This subfamily is, as Pascoe stated (Ann. and Mag., 1869) "merely a designation for a number of discrepant forms" with "no more definite generic idea than in any one of the so-called genera of the Linnean epoch." Thirteen Australian species have been recorded, chiefly from tropical regions. I am unable to find clearly defined limits to the genus *Strongylium* in Mäklin's voluminous monograph.

Their fragile structure, long, thin, antennae and legs give them a strong likeness to CISTELIDAE, with which they are often confused in collections.

Order COLEOPTERA.

Family TENEBRIONIDAE.

Subfamily ZOPHERINAE.

ZOPHEROSIS. White, Zool. Soc. Lond., 1859, p. 121.

1. *georgei* White, l.c., p. 121 (pl. xvi., f. 1) N.S.W.

Subfamily STENOSINAE.

COTULADES. Pasc., Jour. Ent., 1860, p. 119.

2. *fascicularis* Pasc., l.c., p. 119 Q. to Tas.
 3. *leucospila* Hope, Ent. Soc. Lond., 1845, p. 107 N.A.
 4. *montanus* Blackb., Roy. Soc. S.A., 1893, p. 132 . . . Blue Mts., N.S.W.
 5. *tuberculatus* Cart., Lin. Soc. N.S.W., 1921, p. 308 . . Mittagong, N.S.W.

DOCALIS. Pasc., Jour. Ent., 1860, p. 121.

6. *funerosus* Hope, Ent. Soc. Lond., 1845, p. 107 . . . N.S.W., V., T.
degener Pasc., Jour. Ent., 1860, p. 121.
exoletus Pasc., l.c., p. 122.
maculatus Blackb., Roy. Soc. S.A., 1893, p. 132.

Subfamily DACODERINAE.

TRETOTHORAX. Lea, Roy. Soc. V., 1911, p. 211.

7. *cleistostoma* Lea, l.c., p. 213 (pl. xvi., f. 2) Q.

Subfamily NYCTOPERINAE.

EXANGELTUS. Blackb., Roy. Soc. S.A., 1897, p. 93.

8. *angustus* Blackb., l.c., p. 94 (pl. xvi., f. 3) W.A.
 9. *gracilior* Blackb., l.c., 1903, p. 308 S.A.
 10. *rufipennis* Cart., Linn. Soc. N.S.W., 1919, p. 140 Q.
EDYLIUS. Champ., Ent. Soc. Lond., 1894, p. 353.

11. *cancescens* Champ., l.c., p. 354 T.

DIPHYRRHYNCUS. Fairm., Rev. Zool., 1849, p. 445.*Acanthosternus* Montr., Soc. Ent. Fr., 1860, p. 289.

12. *apicalis* Champ., Ent. Soc. Lond., 1894, p. 368 W.A.
 13. *ellipticus* Champ., l.c., p. 367 N.W.A.

HETEROCHEIRA. Lacord, Gen. Col. V., 1859, p. 335.

14. *australis* Boisd., Voy. Astrol., 1835, p. 258 W.A.
 15. *tropica* Cart., Linn. Soc. N.S.W., 1924, p. 33 Townsville, Q.

Subfamily OPATRINAE.

SCYMENA. Pasc., Jour. Ent., 1866, p. 455.

16. *amphibia* Pasc., Ann. Mag. Nat. Hist., 1870, p. 94 S.A.; W.A.
australis Blackb., Roy. Soc. S. Aus., 1887, p. 270.
 17. *variabilis* Pasc., Jour. Ent., 1866, p. 455 N.S.W.

MESOMORPHIUS. Seidl., Nat. Ins. Deutsch., 1893, p. 361.*Hopatomorpha* Blackb., Roy. Soc. S. Aus., 1907, p. 289.

18. *darlingensis* Blackb., Roy. Soc. S. Aus., 1894, p. 216 N.S.W.
 19. *darwinii* Blackb., l.c., p. 217 N.A.
 20. *leai* Cart., l.c., 1914, p. 221 Hughenden, Q.
 21. *longicornis* Blackb., l.c., 1892, p. 40 A.
 22. *vagabundus* Champ., Ent. Soc. Lond., 1894, p. 361 N.W.A.

23. *villiger* Blanch., Voy. Pole Sud., 1853, p. 154 W.A. (Asia, Afr.)
asperulus Fairm., Soc. Ent. Belg., 1898, p. 234.
dermestoides Reitt., Best Tab., 1904, p. 74.
dispersus Champ., Ent. Soc. Lond., 1894, p. 361.
mustelinus Fairm., Note Leyd. Mus., 1882, p. 221.
puberulus Fauv., Bull. Soc. Linn. Normand., 1867, p. 187, nota.
- CESTRINUS.** Er., Arch. f. Naturg., 1842, p. 172.
Isopteron Hope, Col. Man., 1840, p. 112.
24. *brevis* Champ., Ent. Soc. Lond., 1894, p. 356 N.S.W. to W.A.
asperus Blackb., Roy. Soc. S. Aus., 1894, p. 210.
puellus Geb., Faun. Sud-west. Aus., 1908, p. 325.
25. *championi* Blackb., Roy. Soc. S. Aus., 1894, p. 210 . . . N.S.W. to W.A.
eremicola Black., l.c., p. 211.
zietzi Blackb., l.c., p. 212.
26. *costatus* Geb., Fauna Sud-west Aus., 1908, p. 326 W.A.
27. *dentatus* Cart., Linn. Soc. N.S.W., 1921, p. 309 Camoowcal, Q.
28. *punctatissimus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 278 . . N.S.W. to T.
aversus Pasc., l.c., p. 278.
posticus Pasc., l.c., p. 278.
minor Blackb., Roy. Soc. S. Aus., 1894, p. 212.
29. *trivialis* Er., Arch. Naturg., 1842, p. 173 Q. to T.
opatroides (*Isopteron*) Hope, Ent. Soc. Lond., 1842, p. 77.
piceitarsis Hope, l.c., p. 76.
squamosus (*Apotelus*) MacL., Ent. Soc. N.S.W., 1872, p. 278.
angustior Blackb., Roy. Soc. S. Aus., 1894, p. 211.
- APATELUS.** Muls. et Rey., Mem. Acad. Lyon, 1859, p. 153.
- *30. *hopei* Muls., l.c., p. 154 A.
- ACHORA.** Pasc., Ann. Mag. Nat. Hist., 1869, p. 279.
Prionotus Muls. et Rey. Mém. Acad. Lyon, 1859, p. 150.
Priothorax Geb., Cat. Junk., 1910, p. 318.
31. *serricollis* Hope, Ent. Soc. Lond., 1842, p. 77 Tas.
denticollis Blanch., Voy. Pole Sud., 1853, p. 154.
obscurus Er., Wieg. Arch., 1842, p. 173.
32. *tuberculatus* (*cestrinus*) Cart., Roy. Soc. S. Aus., 1914, p. 369 . . W.A.
- ADELODEMUS.** Haag., Jour. Mus. Godeffr., 1878, p. 120.
Apostethus Pasc., Ann. Mag. Nat. Hist., 1882, p. 27.
33. *excisicollis* Cart., Linn. Soc. N.S.W., 1908, p. 403 (pl. xvi., f. 4) . . Q.
34. *squalidus* MacL., Ent. Soc. N.S.W., 1872, p. 278 Q.
asperulus Haag., Jour. Mus. Godeffr., 1878, p. 121.
foliata (*seirotrana*) Cart., R.S.S. Aus., 1914, p. 403.
- *35. *terrenus* Pasc. (*Apostethus*) Ann. Mag. Nat. Hist., 1882, p. 28 . . . Q.
- ANEMIA.** Cast., Hist. Nat., 1840, p. 218.
36. *caulobioides* Cart., Linn. Soc. N.S.W., 1920, p. 224 W.A.
- GONOCEPHALUM.** Chev., Dict. Univ. d'Hist. Nat., 1849, p. 274.
Hopatrum Blackb., Roy. Soc. S. Aus., 1907, p. 286.
37. *adelaidae* Blackb., Roy. Soc. S. Aus., 1894, p. 214 S.A.
38. *alternatum* Cart., Linn. Soc. N.S.W., 1915, p. 532 Raine Is., Q.
- *39. *australe* Boisd., Voy. Astrol., 1835, p. 251 A.
40. *carpentariae* Blackb., Roy. Soc. S. Aus., 1894, p. 213 N.A.
41. *costipenne* Cart., Linn. Soc. N.S.W., 1915, p. 533 Cairns, Q.
costatum Cart. Roy. Soc. S. Aus., 1914, p. 222.

42. *cowardense* Blackb., Roy. Soc. S. Aus., 1894, p. 215 S.A.
 43. *elderi* Blackb., l.c., 1892, p. 39 W.A.
 44. *macleayi* Blackb., l.c., 1907, p. 288 S.Q.
 45. *mastersi* MacL., Ent. Soc. N.S.W., 1872, p. 277 Q., N.S.W.
 46. *meyricki* Blackb., Roy. Soc. S. Aus., 1894, p. 213 V. and W.A.
 victoriae Blackb., l.c., p. 218.
 47. *misellum* Blackb., l.c., 1907, p. 288 S.A.
 48. *subcostatum* Cart., Linn. Soc. N.S.W., 1921, p. 309 . . . Stanthorpe, Q.
 49. *torridum* Champ., Ent. Soc. Lond., 1894, p. 359 N.W.A.
 50. *walkeri* Champ., l.c., p. 360 N.W.A.
ENDOTHINA. Carter, Linn. Soc. N.S.W., 1924, p. 536.
 51. *squamosa* Cart., l.c., p. 537 Sydney, N.S.W.
HYOCIS. Pasc., Jour. Ent., 1866, p. 457.
 52. *bakewelli* Pasc., l.c., p. 457 Vic. to W.A.
 cancellata Lea, Roy. Soc. Vic., 1907, p. 164.
 (var) *occidentalis* Blackb., Linn. Soc. N.S.W., 1895, p. 102. W.A.
 53. *bicolor* Cart., Linn. Soc. N.S.W., 1908, p. 402 N.S.W., T.
 54. *inquinata* Cart., l.c., 1921, p. 310 Perth, W.A.
 55. *minor* Cart., l.c., 1920, p. 225 Stradbroke Is., Q.
 56. *nigra* Blackb., l.c., 1895, p. 101 S.A.
 57. *pallida* MacL., Ent. Soc. N.S.W., 1872, p. 278 Q., N.S.W.
 58. *pubescens* MacL., l.c., p. 279 Q., N.S.W.
 59. *subparallela* Champ., Ent. Soc. Lond., 1894, p. 363 . . N.S.W. to W.A.
 variegata Blackb., Linn. Soc. N.S.W., 1895, p. 102.
CAEDIUS. Blanch., Hist. Nat. Ins., 1845, p. 13.
 60. *lindi* Blackb., Roy. Soc. S. Aus., 1887, p. 271 S.A.
 61. *sphaeroides* Hope, Ent. Soc. Lond., 1842, p. 77 S.A. & Q.
 tuberculatus Cart., Roy. Soc. S. Aus., 1914, p. 370.
SOBAS. Pasc., Jour. Ent., 1863, p. 45.
 Trigonotarsus Hope, Ent. Soc. Lond., 1845, p. 106.
 Pseudocadius Blackb., Roy. Soc. S.A., 1890, p. 91.
 62. *australis* Hope, l.c., p. 76 Port Essington, N.W.A.
 squamosus (*Pseudocadius*) Blackb., l.c.
CAEDIOMORPHA. Blackb., Roy. Soc. S. Aus., 1888, p. 272.
 63. *heteromera* (*Pedilophorus*) King, Ent. Soc. N.S.W., 1869, p. 44 (pl.
 xvi., f. 6) All States.
 australis Blackb., Roy. Soc. S. Aus., 1888, p. 272.
 Subfamily TRACHYSCELINAE.
TRACHYSCELIS. Latr., Gen. Crust. et Ins., 1809, p. 379.
 64. *ciliaris* Champ., Ent. Mon. Mag., 1893, p. 254 W.A.
 65. *laevis* Champ., l.c., p. 254 W.A.
 66. *nigra* Cart., Linn. Soc. N.S.W., 1906, p. 251 N.S.W., Q.
 Subfamily PHALERINAE.
SPHARGERIS. Pasc., Jour. Ent., 1860, p. 122.
 67. *physodes* Pasc., l.c., p. 122 V., S.A.,
 Subfamily CRYPTICINAE.
CRYPTICUS. Latr., Règne Anim., 1817, p. 298.
 68. *submaculatus* Champ., Ent. Soc. Lond., 1894, p. 362 N.W.A.
 Subfamily BOLITOPHAGINAE.
BRADYMERUS. Perroud., Soc. Linn. Lyon., 1864, p. 540.
 Isostira Pasc., Ann. Mag. Nat. Hist., 1870, p. 97.

69. *crenatus* Pasc., l.c., p. 98 Q
granaticollis Fairm., Ann. Soc. Ent. Belg., 1883, p. 23.
70. *raucipennis* Blackb., Roy. Soc. S. Aus., 1892, p. 225 Q.
seriatus Geb., Exp. Neerl. N. Guinea, 1920, p. 243
- SCOTODERUS. Perroud., Ann. Soc. Linn. Lyon., 1864, p. 114.
Dechius Pasc., Jour. Ent., 1866, p. 455.
71. *cancellatus* Montr., Soc. Ent. Fr., 1860, p. 296.
aphodioides Pasc., Jour. Ent., 1866, p. 455 . . N.S.W., Q., New
Caledon.
- *72. *costatus* Fairm., Rev. Zool., 1849, p. 421 Wallis Is.
73. *scissicollis* Bates, Ent. Soc. Lond., 1868, p. 266 N.S.W.
- BYRSAX. Pasc., Jour. Ent., 1860, p. 42.
74. *cori* Cart., Roy. Soc. S. Aus., 1914, p. 371 N.S.W.
75. *egenus* Pasc., Jour. Ent., 1866, p. 459 N.S.W., Q.
76. *maclayi* Pasc., l.c., p. 459 N.S.W., Q.
77. *pinnaticollis* Cart., Roy. Soc. S. Aus., 1914, p. 234 Q.
78. *saccharatus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 95 Q.
- NOTOCERASTES. Cart.
79. *blackburni* Cart. N.S.W., V.
- ILYXERUS. Pasc., Jour. Ent., 1866, p. 458.
- *80. *asper* Pasc., l.c., p. 458 N.S.W.
- CAANTHUS. Champ., Ent. Soc. Lond., 1894, p. 378.
81. *gibbicollis* Champ., l.c., p. 378 T.
- ORCOPAGIA. Pasc., Ent. Soc. Lond., 1868, p. 12.
82. *monstrousa* Pasc., l.c., p. 12 N.S.W., V.
83. *regularis* Cart., Roy. Soc. S. Aus., 1914, p. 223 Q.
- MYCHESTES. Pasc., Ann. Mag. Nat. Hist., 1870, p. 96.
84. *congestus* Pasc., l.c., 1883, p. 436 Q., N.S.W.
85. *lignarius* Pasc., l.c., 1870, p. 97 Q., N.S.W.
86. *mastersi* Mael., Ent. Soc. N.S.W., 1872, p. 279 Q.
87. *paseoei* Mael., l.c., p. 279 (pl. xvi., f. 7) Q.
- MXIONYCHUS. Cart.
- Mnionophilus* Cart., Linn. Soc. N.S.W., 1919, p. 141.
88. *costatus* Cart., l.c., p. 143 Waratah, T.
89. *horridus* Cart., l.c., p. 142 Cradle Mt., T.
- ENHYPNON. Cart., Linn. Soc. N.S.W., 1919, p. 143.
90. *laticeps* Cart., l.c., p. 144 T.
- ELASCUS. Pasc., Jour. Ent., 1860, p. 119.
91. *crassicornis* Pasc., l.c., p. 120 V.
92. *lunatus* Pasc., l.c., p. 120 V., T.
93. *major* Cart., Linn. Soc. N.S.W., 1921, p. 310 Dorriggo, N.S.W.
- LATOMETUS. Er., Arch. Naturg., 1842, p. 213.
- *94. *pubescens* Er., l.c., p. 213 T.
(Described from a single example and apparently not since identified.
Possibly *Colydiidae*).

Subfamily AMPHIDORINAE.

- ECTYCHE. Pasc., Ann. Mag. Nat. Hist., 1869, p. 143.
95. *bicolor* Cart., Linn. Soc. N.S.W., 1918, p. 709 King R., N.A.
96. *coerulea* Champ., Ent. Soc. Lond., 1894, p. 397 N.W.A.
97. *erebea* Pasc., Ann. Mag. Nat. Hist., 1869, p. 144 W.A.
98. *nana* Pasc., l.c., p. 145 S.A.
99. *scabripennis* Bates, Ent. Soc. Lond., 1873, p. 360 W.A.

100. *sculpturata* Bates, l.c., p. 361 (pl. xvi, f. 5) W.A.
 101. *semibullata* Cart., Linn. Soc. N.S.W., 1920, p. 248 .. Geraldton, W.A.
 102. *tuberculipennis* Bates, Ent. Soc. Lond., 1873, p. 361 W.A.
MICRETYCHE. Bates, Ent. Soc. Lond., 1873, p. 362.
 103. *ferruginea* Bates, l.c., p. 364 W.A.
 var. dubia Bates, l.c.
 ryei Bates, l.c., p. 364.
 104. *intermedia* Bates, l.c., p. 363 Champion Bay, W.A.
PHAENNIS. Champ., Ent. Soc. Lond., 1894, p. 399.
 105. *fasciculata* Champ., l.c., p. 400 Blue Mts., N.S.W., T.

Subfamily ULODINAE.

- DIPSACONIA.** Pasc., Jour. Ent., 1860, p. 123.
 106. *australis* Hope, Ent. Soc. Lond., 1845, p. 108 S.A., V., T.
 bakewelli Pasc., Jour. Ent., 1860, p. 124.
 107. *pyritosa* Pasc., l.c., p. 124 Q., N.S.W., V.
ULODES. Er., Arch. Naturg., 1842, p. 180.
 Ulodia Pasc., Ann. Mag. Nat. Hist., 1869, p. 31.
 108. *hispidus* Pasc., l.c., p. 32 N.S.W.
 109. *verrucosus* Er., Arch. Naturg., 1842, p. 181 V., T.
 varicornis Hope, Ent. Soc. Lond., 1842, p. 78.
TRICHIULODES. Cart., Roy. Soc. S.A., 1914, p. 223.
 110. *punctatus* Cart., l.c., p. 224 Q.
GANYME. Pasc., Ann. Mag. Nat. Hist., 1869, p. 32.
 111. *sapphira* Newm., The Entom., 1842, p. 404 (pl. xvi, f. 8) N.S.W., V., T.
 howitti Pasc., Ann. Mag. Nat. Hist., 1869, p. 33.

Subfamily DIAPERINAE.

- SPILOSCAPHA.** Bates, Ent. Mo. Mag., 1873, p. 202.
 112. *thalloides* Pasc., Ann. Mag. Nat. Hist., 1869, p. 281 N.S.W.
 crassicornis Bates, Ent. Mo. Mag., 1873, p. 203.
PLATYDEMA. Cast et Brll. Ann. Sc. Nat., 1831, p. 350.
 Neomida Motsch., Bull. Mon., 1873, p. 476.
 Histeropsis Chev., Pet. Nour. Ent., 1878, p. 221.
 Typhobia Pasc., Ann. Mag. Nat. Hist., 1869, p. 279.
 113. *abdominale* Geb., Fn. Sudw. Aus., 1908, p. 327 W.A.
 114. *aries* Pasc., Ann. Mag. Nat. Hist., 1869, p. 280 N.S.W., Q.
 115. *bicinctum* Champ., Ent. Soc. Lond., 1894, p. 373 N.W.A.
 116. *deplanatum* Champ., l.c., p. 374 N.W.A.
 117. *fuligineum* Pasc. (*Typhobia*) Pasc., Ann. Mag. Nat. Hist., 1869, p.
 279 V., N.S.W., Q.
 118. *laticolle* Mael., Ent. Soc. N.S.W., 1872, p. 280 Q.
 119. *limacella* Pasc., Ann. Mag. Nat. Hist., 1869, p. 280 .. S.A., V., N.S.W., Q.
 fossulatum Blackb., Roy. Soc. S. Aus., 1887, p. 273.
 120. *limbatum* Cart., Linn. Soc. N.S.W., 1921, p. 311 Murray R., S.A.
 121. *macleayi* Cart. Kuranda, Q.
 122. *metallicum* Cart., l.c., 1908, p. 404 N.S.W., Q.
 123. *pascoei* Mael., Ent. Soc. N.S.W., 1872, p. 280 Q., N.S.W., Vic.
 victoriense Blackb., Roy. Soc. S.A., 1893, p. 297.
 124. *rufibase* Cart., Linn. Soc. N.S.W., 1918, p. 701 N.Q.
 125. *striatum* Montr., Soc. Ent. Fr., 1860, p. 290, N.S.W., Q., Lord Howe Is.,
 New Caledonia.
 kanalense Perroud., Soc. Linn. Lyon., 1864, p. 113.

- oritica* Pasc., Ann. Mag. Nat. Hist., 1869, p. 280.
spicatum Oll., Ins. Fauna. L. Howe Is., 1889, p. 87.
championi Blackb., Roy. Soc. S.A., 1890, p. 139.
obscurum Blackb., Linn. Soc. N.S.W., 1888, p. 1387.
126. *sulcatopunctatum* Cart., Linn. Soc. N.S.W., 1922, p. 73 N.Q.
127. *tetraspilotum* Hope, Ent. Soc. Lond., 1842, p. 78 . . Q., N.S.W., V., S.A., T.
tasmanum Mars., Soc. Ent. Fr., 1876, p. 110.
ALPHITOPHAGUS. Steph., Ill. Brit. Ent., 1832, p. 12.
Phyletes Redt., Gatt. deutsch. Käf. Fn., 1845, p. 128.
Phylethus Redt., Fn. Austr., 1849, p. 589.
128. *bifasciatus* Say., Jour. Acad. Phil., 1823, p. 268 Cosmop.
pictus Ménét., Cat. rais., 1832, p. 203.
populi Redt., Fn. Austr., 1849, p. 589.
quadripustulatus Steph., Ill. Brit. Ent., 1832, p. 12.
*129. *quadrinotatus* Mars., Soc. Ent. Fr., 1876, p. 110 A.
[Unidentified in Australian colls.; probably 127 supra.]
CEROPRIA. Cast et Bril. Ann. Sc. Nat., 1831, p. 396.
Epilampus Blanch., Hist. Nat. Ins., 1845, p. 30.
130. *maculata* Geb., Cat. Junk, 1911, p. 383 (pl. xvi., fig. 9) N.Q.
bifasciata Cart., Linn. Soc. N.S.W., 1908, p. 404 (nom. praec.)
quadriplagiata Geb., Exp. Neerl. N. Guinea, 1920, p. 255.
131. *peregrina* Pasc., Jour. Ent., 1866, p. 460 N.S.W., Q.
janthinipennis Chevr., Pet. Nouv., Ent., 1877, p. 170.
*131a. (?) *novica* (*Platydemia*) Motsch., Bull. Mosc., 1873, p. 470. .
spectabilis Cast et Bril. Mon., p. 397 (?) A.
[Doubtfully Australian. The note in description says "Cette espèce vient d'Amerique; M. Dupont l'a recue aussi de la Nouvelle Hollande." If the latter statement be true, it may be the same as *Espites basalis* Pasc.—H.J.C.].
132. *valga* Pasc., Ann. Mag. Nat. Hist., 1869, p. 281 N.S.W., Q.
ENNEBOEUS. Waterh., Ent. Soc. Lond., 1878, p. 228.
133. *australis* Champ., l.c., 1894, p. 375 T.
*134. *oralis* Waterh., l.c., 1878, p. 229 T.
ENNEBOEOPSIS. Champ., Ent. Soc. Lond., 1894, p. 375.
135. *pruinosis* Champ., l.c., p. 376 T.
PENTAPIIYLLUS. Latr., Règne anim., 1829, p. 30.
136. *erecta* (*Arrhenoplita*) Lea, Linn. Soc. N.S.W., 1898, p. 581 . . . N.S.W.
137. *exilis* (*Arrhenoplita*) Champ., Ent. Soc. Lond., 1894, p. 372 . . N.W.A.
138. *pygmaea* (*Arrhenoplita*) Champ., l.c., p. 371 N.W.A.
*139. *Hoplocephala callistomomis* Motsch., Bull. Mosc., 1873, p. 469, has not been identified. Its generic status is doubtful.
DERISPIA. Lewis, Ann. Mag. Nat. Hist., 1894, p. 389.
140. *coccinelloides* Westw., Tijd. Schr. v. Ent., 1883, p. 69 . . . Q., Malay Is.

Subfamily LEIOCHRINAE.

LEIOCHRODES. Westw., Tijd. Schr. v. Ent., 1883, p. 69.*Leiochrota* Westw., l.c., p. 70.*Ades* Guér., Arch. Ent., 1857, p. 277.*Hades* Thoms., Mus. Sc., 1860, p. 13.*Pimplema* Pasc., Ann. Mag. Nat. Hist., 1887, p. 16.

141. *suturalis* Westw., l.c., p. 73 N.S.W., Q., Amboina.
(Coccinellid-like insect found under leaves in moist places.)

Subfamily PHRENAPATINAE.

- PLATYCILIBE*. Cart., Linn. Soc. N.S.W., 1911, p. 205.
 142. *brevis* Cart., l.c., p. 205 (pl. xvi., f. 10) Mt. Wilson and Mt. Royal, N.S.W., V.
 143. *bicolor* Cart., Roy. Soc. S. Aus., 1914, p. 225 . . . Tambourine Mt., Q.
 144. *integrifrons* Cart., Linn. Soc. N.S.W., 1920, p. 226 . . . N.S.W., Q.
 145. *triclavata* Cart., l.c., 1921, p. 311 . . . Tambourine Mt., Q.

Subfamily ULOMINAE.

- GNATHOCERUS*. Thunb., Vetensk. Acad. Handl., 1814, p. 47.
 146. *cornutus* F., Ent. Sys. Suppl., 1798, p. 51 . . . Cosmopolitan.
 cucullatus Montr., Soc. Ent. Fr., 1860, p. 294.
 laeviusculus Steph., Ill. Brit., 1832, p. 10.
 maxillaris Beauv., Ins. Afr. et Am., 1805, p. 125.
 ruber Thun., Vetensk. Acad. Handl., 1814, p. 47.
LYPIA. Muls. et Rey. Opusc. Ent., 1859, p. 166.
 Lindia Blackb., Roy. Soc. S. Aus., 1888, p. 275.
 147. *australis* Geb., Cat. Junk., 1911, p. 393 . . . N.S.W., Q., S.A.
 angusta Blackb., Roy. Soc. S. Aus., 1888, p. 275 (nom. praec.)
 148. *grandis* Cart. Cooktown, Q.
 149. *tasmanica* Champ., Ent. Soc. Lond., 1894, p. 370 . . . N.S.W., T
MESOTRETIS. Bates, Ent. Mo. Mag., 1872, p. 151.
 150. *ferruginea* Bates, l.c., p. 151 . . . Albany, W.A.
 151. *inconstans* Lea, Roy. Soc. S. Aus., 1917, p. 156 . . . Geraldton, W.A.
LATHETICUS. Waterh., Ann. Mag. Nat. Hist., 1880, p. 147.
 152. *oryzae* Waterh., l.c., p. 148 . . . Cosmopolitan.
TRIBOLIUM. MacL., Ann. Jav., 1825, p. 47.
 Margus Redt., Gatt., 1845, p. 127.
 Stene Steph., Ill. Brit. Ins., 1832, p. 9.
 153. *confusum* Jacq. du Val., Gen. Col. d'Europe Cat., 1868, p. 181.
 Cosmopolitan.
 ferrugineum Muls., Col. Fr. Latigènes, 1854, p. 244.
 154. *myrmecophilum* Lea, Roy. Soc. Vic., 1904, p. 383 . . . V.
 155. *ferrugineum* F., Mant. Ins., 1787, p. 212 . . . Cosmopolitan
 bifoveolatum Duft., Fn. Anst., 1812, p. 304.
 castaneum Herbst., Käf., 1797, p. 282.
 navale Herbst., l.c., 1792, p. 138.
 rubens Cast., Hist. Nat. 1840, p. 220.
 testaceum F., Ent. Syst. Suppl., 1798, p. 179.
PALORUS. Muls., Col. Fr. Latigènes, 1854, p. 250.
 156. *austrinus* Champ., Ent. Mo. Mag., 1896, p. 30 . . . Damma Isl.
 157. *depressus* F., Skriver Naturh. Selsk., 1790 . . . Cosmopolitan.
 unicolor Ol., Ent. ii., 1790, p. 12.
 158. *eutermophilus* Lea, Mem. Q. Mus., 1921, p. 216 . . . Townsville, Q.
 159. *pygmaeus* (*Acthosus*) Cart., Roy. Soc. S. Aus., 1914, p. 225 . . . Q.
 160. *ratzeburgi* Wissm., Stutt. Ent. Zeit., 1848, p. 77 . . . Cosmopolitan.
ULOMA. Cast., Hist. Nat., 1840, p. 219.
 ? *Melasia* Muls., Opusc. Ent., 1856, p. 160.
 Priscoselida White Voy. Ereb. and Terror, 1846, p. 11.
 Aethosus Pasc., Jour. Ent., 1863, p. 42.
 161. *brunnea* Cart., Linn. Soc. N.S.W., 1906, p. 251 . . . N.S.W.

162. *laticornis* Cart. Kurrajong, N.S.W.
 163. *ovalis* Perroud., Soc. Linn. Lyon., 1864, p. 121 N.S.W., V., T.
 164. *sanguinipes* (*Tenebrio*) F., Sys. Ent., p. 256 Q., N.S.W., V.
 consentanea Perroud., Soc. Linn. Lyon., 1864, p. 119.
 depressa Pasc., Jour. Ent., 1866, p. 454.
 laticornis (*Acthosus*) Pasc., Ann. Mag. Nat. Hist., 1869, p. 294.
 165. *westwoodi* (*Acthosus*) Pasc., Jour. Ent., 1863, p. 43 (pl. xvi., f. 11)
 Q., N.S.W., V., T.
ULOMOIDES. Blackb., Roy. Soc. S. Aus., 1888, p. 274.
 166. *humeralis* Blackb., l.c., p. 274 S.A.
 167. *nucleayi* Cart. N.W.A.
ALPHITOBICUS. Steph., Ill. Brit. Ent., 1832, p. 11.
 Cryptops Sol., Hist. Chile, 1851, p. 235.
 Heterophaga Redt., Gatt., 1845, p. 127.
 Microphytes MacL., Ent. Soc. N.S.W., 1872, p. 286.
 168. *blairi* Cart., Linn. Soc. N.S.W., 1920, p. 224 Townsville, Q.
 169. *diaperinus* Panz., Fn. Germ., 1797, p. 16 Cosmopolitan.
 mauritanicus Curt., Brit. Ent., viii., p. 16.
 opatroides Brill., Ins. Canar., 1838, p. 70.
 170. *laevigatus* (*Opatrum*) F., Spec. Ins., I., p. 90 Cosmopolitan.
 ? *mauritanicus* F., Ent. Syst., 1792, p. 113.
 ? *oryzae* Herbst., Käf., 1799, p. 18.
 piceus Ol., Eneyel. Meth., 1792, p. 50.
 picipes Steph., Ill. Brit. Ent., 1832, p. 11.
 rufipes (*Microphytes*) MacL., Ent. Soc. N.S.W., 1872, p. 286.
 granivorus Muls. et God., Soc. Linn. Lyon., 1868, p. 288.
 striatulus Fairm., Soc. Ent. Fr., 1869, p. 231.
 171. *torridus* Cart., Linn. Soc. N.S.W., 1911, p. 208 N.Q.
 172. *xamiaphila* Cart., l.c., 1920, p. 225 N.A.
DIACLINA. Jacq. du Val., Gen. Col. d'Eur., iii., 1861, p. 296.
 173. *nitida* (*Heterocheira*) Cart., Linn. Soc. N.S.W., 1908, p. 405 . . . N.Q.
 immaculata Geb., Exp. Sc. Néerland, New Guinée, 1920. . .
SITOPHAGUS. Muls., Col. Fr. Latigènes, 1854, p. 264.
 174. *hololeptoides* Cast., Hist. Nat., ii., 1840, p. 220 Cosmopolitan.
 castaneus Reitt., Mitth. Münch. Ent., 1877, p. 9.
 farinarius Woll., Ann. Mag. Nat. Hist., 1858, p. 414.
HYPOPHLOEUS. F., Skrivt. Nat. Selsk., 1790.
 Corticus Crotch., Ent. Soc. Lond., 1870, p. 46.
 175. *australis* Champ., Ent. Soc. Lond., 1894, p. 369 N.W.A.
MICRULOMA. Cart., Linn. Soc. N.S.W., 1919, p. 146.
 176. *minuta* (*Acthosus*) Cart., l.c., 1906, p. 252 N.S.W.
MICROCILIBE. Cart., Linn. Soc. N.S.W., 1919, p. 147.
 177. *castanea* Cart., l.c., p. 147 Mt. Wilson, N.S.W.
BRACHYCILIBE. Cart., l.c., 1911, p. 207.
 178. *tasmanica* Cart., l.c., 1919, p. 148 Wilmot, Tas.
 [N.B.—The genotype is *B. antennata* Cart. from Lord Howe Island.]
THORICTOSOMA. Lea, Roy. Soc. S. Aus., 1919, p. 257.
 179. *cremogaster* Lea W.A.
 180. *ectatommae* Lea, l.c., p. 258 W.A.
 181. *tibiale* Lea, l.c., p. 259 W.A.
TYPHLULOMA. Lea, Linn. Soc. N.S.W., 1911, p. 475.
 182. *inops* Lea, l.c., p. 475 Q.

Subfamily HELAEINAE.

ENCARA. Gemm. Col. Hefte, vi., 1870, p. 124.

Eucephalus Breme, Mon., p. 23.

183. *camelum* Cart., Linn. Soc. N.S.W., 1911, p. 188 . . . Berowra, N.S.W.
 184. *floccosum* Pasc., Ann. Mag. Nat. Hist., 1870, p. 100 . . . N.S.W., Q.
 185. *lacordairei* Macl., Linn. Soc. N.S.W., 1888, p. 519 . . Illawarra, N.S.W.
 186. *latum* Cart., l.c., 1910, p. 115 N.W.A.
 187. *nigrum* Cart., l.c., 1905, p. 178 N.S.W.
 188. *submaculatum* Breme, Mon., p. 25 N.S.W.
 189. *westwoodi* Boisd., Voy. Astrol., 1835, p. 262 N.S.W., Q.
 gibbosum Breme, Mon., p. 23.

PTEROHELAEUS. Breme., Mon., 1842, p. 27.

190. *acuticollis* Macl., Linn. Soc. N.S.W., 1888, p. 523 Q.
 191. *ugonus* Pasc., Jour. Ent., 1866, p. 461 S.A.
 192. *alternatus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 284 Q.
 193. *urcanus* Pasc., l.c., 1870, p. 98 Q.
 194. *usellus* Pasc., l.c., p. 99 N.S.W., Q.
 195. *assimilis* Cart., Linn. Soc. N.S.W., 1922, p. 73 Ravenshoe, Q.
 196. *bagotensis* Blackb., Horn. Exp., 1896, p. 274 C.A.
 197. *bremei* Macl., Ent. Soc. N.S.W., 1872, p. 281 Q.
 198. *brericornis* Blackb., Roy. Soc. S.A., 1907, p. 292 W.A.
 199. *broadhursti* Lea, Linn. Soc. N.S.W., 1896, p. 285 W.A.
 200. *bullatus* Pasc., Jour. Ent., 1866, p. 462 V., N.S.W., Q.
 201. *cereus* Macl., Linn. Soc. N.S.W., 1888, p. 545 W.A.
 202. *confusus* Macl., Ent. Soc. N.S.W., 1872, p. 283 Q.
 203. *convexiusculus* Macl., Linn. Soc. N.S.W., 1888, p. 549 N.S.W.
 204. *cornutus* Macl., l.c., p. 522 Q.
 205. *costatus* Macl., l.c., p. 526 N.A.
 nigricornis Champ., Ent. Soc. Lond., 1894, p. 382.
 206. *crenulatus* Macl., Linn. Soc. N.S.W., 1888, p. 534 N.A.
 207. *cylindricus* Cart., Roy. Soc. S. Aus., 1914, p. 373 . . . Rockhampton, Q.
 208. *darlingensis* Cart., Linn. Soc. N.S.W., 1919, p. 149 . . . Bourke, N.S.W.
 209. *darwiniensis* Macl., l.c., 1888, p. 527 N.A.
 210. *depressiusculus* Macl., Linn. Soc. N.S.W., 1888, p. 533 S.A.
 211. *dispar* Pasc., Ann. Mag. Nat. Hist., 1869, p. 286 W.A.
 abdominalis Lea, Linn. Soc. N.S.W., 1896, p. 286.
 212. *dispersus* Macl., Linn. Soc. N.S.W., 1888, p. 549. Murray R., N.S.W., S.A.
 fraternus Blackb., Roy. Soc. S. Aus., 1895, p. 51.
 ? *ovalis* Blackb., l.c., 1887, p. 281.
 213. *elongatus* Macl., Ent. Soc. N.S.W., 1872, p. 282 Gayndah, Q.
 214. *geminatus* Blackb., Linn. Soc. N.S.W., 1891, p. 153 S.A., W.A.
 sub-punctatus Cart., l.c., 1911, p. 182.
 215. *gilesi* Cart., l.c., 1919, p. 150 Broome, W.A.
 216. *gracilicornis* Blackb., Roy. Soc. S. Aus., 1907, p. 291 W.A.
 217. *granulatus* Germ., Linn. Ent., 1848, p. 197 S.A.
 218. *granuliger* Macl., Linn. Soc. N.S.W., 1888, p. 537 N.S.W., Vic.
 219. *guerini* Breme, Mon., 1842, p. 36 W.A.
 ventralis Blackb., Roy. Soc. S. Aus., 1907, p. 291.
 220. *hackeri* Cart., Linn. Soc. N.S.W., 1922, p. 74 Nat. Park, Q.
 221. *insignis* Blackb., Roy. Soc. S. Aus., 1887, p. 277 S.A.
 222. *insularis* Breme, Mon., 1842, p. 30 N.A.
 223. *interruptus* Cart., Linn. Soc. N.S.W., 1920, p. 227 . . . Kimberley, W.A.

224. *kollari* Breme, Mon., 1842, p. 32 W.A.
 225. *laticollis* Pasc., Ann. Mag. Nat. Hist., 1869, p. 285 N.S.W.
 226. *litigiosus* Pasc., l.c., p. 283 Sydney, N.S.W.
 227. *minimus* Pasc., l.c., p. 284 S.A.
 228. *nitidissimus* Pasc., l.c., p. 282 S.A.
 229. *nitidiusculus* Macl., Linn. Soc. N.S.W., 1888, p. 538 S.A.
 230. *nitiduloides* Cart., l.c., 1908, p. 406 Blue Mts., N.S.W.
 231. *nodicostis* Cart., l.c., 1920, p. 228 Moree, N.S.W.
 232. *nodulosus* Cart., l.c., 1910, p. 123 N.A.
 233. *obliteratus* Macl., l.c., 1888, p. 548 Q.
 234. *oblongus* Cart., l.c., 1920, p. 228 Blue Mts., N.S.W.
 235. *opacus* Cart., Roy. Soc. S. Aus., 1914, p. 374 Rockhampton, Q.
 236. *opatroides* Macl., Linn. Soc. N.S.W., 1888, p. 544 N.S.W.
 237. *ovulum* Haag, Verk. Ver. Naturw. Untem. Hamburg, 1878, p. 97 Q.
 238. *parallelus* Breme, Mon., 1842, p. 33 W.A.
 239. *parvipunctatus* Cart., Linn. Soc. N.S.W., 1921, p. 312 Camooweal, Q.
 240. *peltatus* Er., Arch. Naturg., 1842, p. 175 V., T.
 241. *persculptus* Cart., Linn. Soc. N.S.W., 1922, p. 74 A.
 242. *planus* Bless., Hor. Soc. Ent. Ross., 1861, p. 90 N.S.W., V.
 hepaticus Pasc., Ann. Mag. Nat. Hist., 1869, p. 285.
 peltoides Macl., Linn. Soc. N.S.W., 1888, p. 546.
 243. *piceus* Kirby, Linn. Soc. Lond., 1818, p. 468 Q., N.S.W., V., S.A.
 pascocci Macl., Ent. Soc. N.S.W., 1872, p. 282.
 pruinosis Pasc., Jour. Ent., 1866, p. 461.
 244. *politus* Cart., Linn. Soc. N.S.W., 1911, p. 185 W.A.
 245. *puer* Blackb., Roy. Soc. S. Aus., 1907, p. 291 Yalgoo, W.A.
 246. *puncticollis* Cart., Linn. Soc. N.S.W., 1910, p. 121 N.W.A.
 247. *punctipennis* Macl., l.c., 1888, p. 544 Q.
 248. *pusillus* Macl., l.c., p. 540 Q.
 249. *raucus* Blackb., l.c., 1889, p. 1226 N.A.
 250. *regularis* Blackb., Roy. Soc. S. Aus., 1907, p. 291 N.S.W.
 251. *reichei* Breme, Mon., 1842, p. 35 T.
 252. *rubescens* Cart., Roy. Soc. S. Aus., 1914, p. 372 S.Q.
 253. *septemcostatus* Cart., Linn. Soc. N.S.W., 1910, p. 120 N.A.
 254. *sericeus* Cart., l.c., 1915, p. 533 S.Q.
 255. *serrus* Pasc., Jour. Ent., 1866, p. 462 V.
 256. *silphoides* Breme, Mon., 1842, p. 42 N.Q.
 257. *simplicicollis* Blackb., Roy. Soc. S. Aus., 1907, p. 291 S.A.
 258. *sinuaticollis* Macl., Linn. Soc. N.S.W., 1888, p. 526 C. York, N.Q.
 259. *solidus* Cart., l.c., 1910, p. 117 Rockhampton, Q.
 260. *spinicollis* Macl., l.c., 1888, p. 523 Cooktown, Q.
 261. *squalidus* Macl., l.c., p. 534 Mt. Chalmers, Q.
 262. *sternalis* Cart., l.c., 1911, p. 183 S.Q.
 263. *subcostatus* Cart., l.c., p. 182 Brunswick R., N.S.W.
 264. *subgeminatus* Macl., l.c., 1888, p. 537 S.A.
 265. *sublaevis* Cart., l.c., 1911, p. 187 W.A.
 266. *thymaloides* Macl., l.c., 1888, p. 549 S.A.
 267. *tristis* Germ., Linn. Ent., 1848, p. 197 S.A., W.A.
 memnonius Pasc., Jour. Ent., 1866, p. 462.
 tenuistriatus Lea, Linn. Soc. N.S.W., 1897, p. 586.
 268. *undulatus* Cart., l.c., 1910, p. 118 S.Q.
 269. *vestitus* Cart., Roy. Soc. S.A., 1914, p. 375 S.A.

270. *vicarius* Pasc., Ann. Mag. Nat. Hist., 1869, p. 283 N.S.W., V.
 glaber Macl., Linn. Soc. N.S.W., 1888, p. 547.
 ater Blackb., Roy. Soc. S.A., 1887, p. 279.
 ? *striato-punctatus* Boisd., Voy. Astrol., 1835, p. 266.
271. *walkeri* Breme, Mon., 1842, p. 27 N.S.W., Q.
 riverinae Macl., Linn. Soc. N.S.W., 1888, p. 523.
- PEZOHAEUS. Geb., Res. Exp. Sc. Néerl., N. Guinée, 1920, p. 282.
272. *denticollis* (*Pterohelaeus*) Cart., Roy. Soc. S.A., 1914, p. 371 Q.
273. *hirtus* (*Pterohelaeus*) Macl., Linn. Soc. N.S.W., 1888, p. 532 . . N.S.W.
- HELAEUS. Latr., Règne Anim., iii., 1817, p. 301.
274. *approximatus* Cart., Linn. Soc. N.S.W., 1910, p. 100 W.A.
275. *bimarginatus* Cart., Roy. Soc. S. Aus., 1914, p. 376 . . . L. Austin, W.A.
276. *brevicostatus* Blackb., Linn. Soc. N.S.W., 1889, p. 865 . . Broken Hill.
277. *browni* Kirby, Trans. Linn. Soc., 1818, p. 467 W.A.
278. *castor* Pasc., Jour. Entom., 1866, p. 464 V., S.A., W.A.
279. *colossus* Breme, Mon., 1842, p. 59 Q., N.S.W., V.
280. *comatus* Cart., Linn. Soc. N.S.W., 1910, p. 101 W.A.
281. *conjunctus* Lea, Roy. Soc. S. Aus., 1917, p. 577 Ooldea, S.A.
282. *consularis* Pasc., Jour. Entom., 1866, p. 463 Kellerberrin, W.A.
283. *crenatipennis* Cart., Linn. Soc. N.S.W., 1910, p. 114 N.A.
284. *cycliformis* Cart., Roy. Soc. S. Aus., 1914, p. 377 . . . L. Austin, W.A.
285. *debilis* Blackb., l.e., 1889, p. 42 Cue, W.A.
286. *derbyensis* Macl., Linn. Soc. N.S.W., 1888, p. 648 N.W.A.
287. *echidna* White, Voy. Capt. Grey, 1841, App., p. 464 S.W.A.
288. *ellipticus* Lea, Linn. Soc. N.S.W., 1897, p. 586 W.A.
289. *elongatus* Blackb., l.e., 1889, p. 1267 Kalgoorlie, W.A.
290. *frenchi* Cart., l.e., 1910, p. 112 Phillips R., W.A.
291. *fulvohirtus* Lea, l.e., 1896, p. 288 Dongarra, W.A.
292. *georgei* Cart., l.e., 1910, p. 103 Albany, W.A.
293. *gilesi* Cart., l.e., 1910, p. 104 Perth, W.A.
294. *granulatus* Lea, l.e., 1896, p. 289 Mullewa, W.A.
295. *haagi* Dohrn, Stett. Ent. Zeit., 1881, p. 314 S.A.
296. *hamlyni* Cart., Linn. Soc. N.S.W., 1911, p. 192 Alice R., Q.
297. *hopei* Breme, Mon., 1842, p. 68 N.A.
298. *ingens* Blackb., Roy. Soc. S. Aus., 1892, p. 43 Tareoola, S.A.
299. *interioris* Macl., Linn. Soc. N.S.W., 1888, p. 639 Darling R.
300. *intermedius* Breme, Mon., 1842, p. 61 Port Augusta, S.A.
301. *latifolius* Cart., Linn. Soc. N.S.W., 1920, p. 229 . . . Margaret R., W.A.
302. *lubricus* Blackb., Roy. Soc. S. Aus., 1892, p. 42 . . . L. Austin, W.A.
303. *macleayi* Breme, Mon., 1842, p. 65 Albany, W.A.
304. *mastersi* Pasc., Ann. Mag. Nat. Hist., 1870, p. 99 Salt R., W.A.
305. *modicus* Blackb., Roy. Soc. S. Aus., 1899, p. 39 S.A.
306. *moniliferus* Pasc., Jour. Ent., 1866, p. 463 S.A., N.W. Vic.
307. *occidentalis* Cart., Linn. Soc. N.S.W., 1910, p. 106 . . . Shark B., W.A.
308. *opacicollis* Cart., l.e., p. 109 Perth, W.A.
309. *oratus* Guér., Voy. Coq., 1830, p. 105 N.S.W. Vic.
 var. *echinatus* Hope, Ent. Soc. Lond., 1848, p. 54.
 var. *horridus* Blackb., Linn. Soc. N.S.W., 1889, p. 866.
310. *pallidus* Macl., l.e., 1888, p. 640 S.A.
311. *perforatus* Latr., Règne Anim., 1829, p. 32 W.A.
 var. *Kirbyi* Breme, Mon., 1842, p. 57.
 var. *Spencei* Breme, l.e., p. 53.
 var. *Spinolae* Hope, Ent. Soc. Lond., 1848, p. 53.

312. *perroni* Boisd., Voy. Astrol., 1835, p. 259 S.A., Kangaroo Is.
falcatus Pasc., Jour. Ent., 1866, p. 464.
313. *princeps* Hope, Ent. Soc. Lond., 1848, p. 52 S.A.
aridus Blackb., Roy. Soc. S. Aus., 1892, p. 41.
314. *rugosipennis* Cart., Linn. Soc. N.S.W., 1910, p. 107 Bridgetown, W.A.
315. *scaphiformis* Blackb., Roy. Soc. S. Aus., 1899, p. 38 S.A.
316. *sparsus* Cart., Linn. Soc. N.S.W., 1910, p. 110 Onslow, W.A.
317. *spinifer* Cart., l.e., 1910, p. 98 W.A.
318. *squamosus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 286. Murray R., Vic.
. and S.A.
319. *subseriatus* Blackb., Roy. Soc. S. Aus., 1892, p. 40 Nungarra, W.A.
320. *tuberculatus* Breme, Mon., 1842, p. 71 N.S.W.
321. *waitei* Lea, Roy. Soc. S. Aus., 1917, p. 578 (pl. xvi, f. 12) Ooldea. S.A.
- SYMPETES. Pasc., Jour. Ent., 1866, p. 464.
322. *acutifrons* Lea, Linn. Soc. N.S.W., 1896, p. 290 Geraldton, W.A.
323. *bicolor* Cart., l.e., 1910, p. 83 Shark Bay, W.A.
324. *bremei* Hope, Ent. Soc. Lond., 1848, p. 54 W.A.
duboulayi Pasc., Jour. Ent., 1866, p. 466.
325. *browni* Cart., Linn. Soc. N.S.W., 1919, p. 152 Cue, W.A.
326. *denticeps* Cart., l.e., 1911, p. 191 Shark Bay, W.A.
327. *depressus* Cart., l.e., 1919, p. 153 Geraldton, W.A.
328. *excisifrons* Cart., l.e., 1910, p. 86 Onslow, W.A.
329. *gagates* Breme, Mon., 1842, p. 52 Perth, W.A.
contractus Hope, Ent. Soc. Lond., 1848, p. 53.
tricostellus Breme, Mon., 1842, p. 53
330. *orbicularis* Breme, l.e., p. 51 Perth, W.A.
331. *patelliformis* Pasc., Ann. Mag. Nat. Hist., 1870, p. 100 Perth, W.A.
332. *quadratus* Cart., Linn. Soc. N.S.W., 1910, p. 84 Shark Bay, W.A.
333. *rotundatus* Breme, Mon., 1842, p. 50 W.A.
334. *subrugosus* Breme, l.e., p. 49 Perth, W.A.
335. *testudineus* Hope, Ent. Soc. Lond., 1848, p. 53 N.W.A.
undulatus Lea, Linn. Soc. N.S.W., 1896, p. 291.
336. *tricostellus* White, Voy. Capt. Grey, 1841, p. 464 Albany, W.A.
macleayi Pasc., Jour. Ent., 1866, p. 465.
337. *unicarinatus* Boisd., Voy. Astrol., 1835, p. 265 Kangaroo Isl.
- SARAGUS. Er., Arch. Naturg., 1842, p. 171.
338. *addendus* Blackb., Horn. Exp., 1896, p. 275 C.A.
339. *australis* Boisd., Voy. Astrol., 1835, p. 263 N.S.W., V.
340. *bicarinatus* Champ., Ent. Soc. Lond., 1894, p. 385 N.W.A.
341. *blackburni* Macl., Linn. Soc. N.S.W., 1888, p. 656 S.A. & V.
342. *brunnipes* Boisd., Voy. Astrol., 1835, p. 264 Albany, W.A. & S.A.
marginatus Sol., Stud. Ent., 1848, p. 356.
brunnipennis Macl., Linn. Soc. N.S.W., 1888, p. 670.
macleayi Blackb., l.e., 1889, p. 871.
343. *carinatus* Breme, Mon., 1842, p. 41 Eucla, S.A.
344. *catemulatus* Macl., Linn. Soc. N.S.W., 1888, p. 658 N.S.W.
345. *clathratus* Macl., l.e., p. 663 Fitzroy Downs, Q.
346. *confirmatus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 102 W.A.
347. *convexicollis* Macl., Linn. Soc. N.S.W., 1888, p. 656 S.A.
348. *convexus* Cart., l.e., 1919, p. 153 Cambo. Cambo., N.S.W.
349. *costatus* Sol., Stud. Entom., 1848, p. 355 N.S.W., V., T., S.A.
laevicollis Breme, Mon., p. 44.
laevicollis Macl., Mon., p. 657,

350. *crenulatus* Macl., l.c., p. 663 N.A.
 351. *darwinii* Lea, Linn. Soc. N.S.W., 1896, p. 284 Dongarra, W.A.
 352. *emarginatus* Guér., Voy. Coq., 1830, p. 105 N.S.W., V.
 cassidoides Boisd., Voy. Astrol., 1835, p. 265.
 353. *ellipsoides* Cart., Linn. Soc. N.S.W., 1921, p. 313 . . Cue, Kalgoorlie, W.A.
 354. *frenchi* Cart., l.c., 1910, p. 128 Eucla, S.A.
 355. *geminatus* Macl., l.c., 1888, p. 668 Guyra, N.S.W.
 356. *illateralis* Cart., l.c., 1911, p. 202 N.Q.
 357. *inaequalis* Blackb., l.c., 1889, p. 867 S.A.
 358. *incisus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 101 (pl. xvi, f. 13)
 Mudgee, N.S.W.
 359. *infelix* Pasc., Jour. Ent., 1866, p. 466 T.
 360. *interruptus* Boisd., Voy. Astrol., 1835, p. 264 S.A.
 levicostatus Macl., Linn. Soc. N.S.W., 1888, p. 659.
 361. *intricatus* Champ., Ent. Soc. Lond., 1894, p. 386 N.W.A.
 362. *laevicollis* F. (*Silpha*) Sys. Ent., p. 73 Endeavour R., Q.
 reticulatus Haag., Verh. Ver. Hamb., 1878, p. 97.
 363. *laevis* Macl., Linn. Soc. N.S.W., 1888, p. 671 N.S.W. & N.W.V.
 364. *latus* Blackb., l.c., 1889, p. 869 N.W.V., S.A.
 365. *latipes* Cart., l.c., 1911, p. 201 Bell, Q.
 366. *limbatus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 287 V.
 367. *lugubris* Lea, Linn. Soc. N.S.W., 1897, p. 587 Kimberley, W.A.
 368. *luridus* Haag., Verh. Ver. Hamb., 1878, p. 97 Q.
 var. *interstitialis* Haag., l.c., p. 97.
 369. *magister* Pasc., Jour. Ent., 1866, p. 465 N.S.W., Q.
 icarus Cart., Linn. Soc. N.S.W., 1905, p. 177.
 370. *marginellus* Hope, Ent. Soc. Lond., 1848, p. 55 (?) Norfolk Sound.
 rudis Macl., Linn. Soc. N.S.W., 1888, p. 659 N.S.W.
 371. *mastersi* Cart., Linn. Soc. N.S.W., 1910, p. 126 N.W.A.
 372. *mediocris* Blackb., l.c., 1889, p. 870 S.A.
 373. *montanus* Cart., l.c., 1910, p. 127 Blue Mts., N.S.W.
 374. *novemcostatus* Cart., l.c., 1911, p. 198 N.W.A.
 375. *odewahmi* Pasc., Jour. Ent., 1866, p. 467 S.A.
 lindi Blackb., Linn. Soc. N.S.W., 1889, p. 868.
 376. *opacipennis* Macl., l.c., 1888, p. 661 N.W.A.
 377. *ovalis* Macl., l.c., 1888, p. 661 Gayndah, Q.
 378. *pascoei* Macl., l.c., p. 669 S.A.
 379. *perlaevis* Cart., l.c., 1911, p. 200 Carnarvon, W.A.
 380. *pronus* Cart., l.c., 1921, p. 312 Flat Rock, N.S.W.
 381. *punctatus* Cart., l.c., 1924, p. 34 Shoalhaven, N.S.W.
 382. *rugosipennis* Macl., l.c., p. 664 Monaro, N.S.W.
 *383. *rugosus* Boisd., Voy. Astrol., 1835, p. 264 A.
 (Unidentified in collections.)
 384. *satelles* Blackb., Linn. Soc. N.S.W., 1889, p. 872 Adelaide, S.A.
 385. *simplex* Hope, Ent. Soc. Lond., 1848, p. 55 S.A., Wn. N.S.W.
 asidoides Pasc., Jour. Ent., 1866, p. 465.
 386. *sphaeroides* Cart., Linn. Soc. N.S.W., 1911, p. 204 Shark Bay, W.A.
 387. *striatipennis* Macl., l.c., 1888, p. 668 Monaro, N.S.W.
 388. *strigiventris* Lea, Roy. Soc. S. Aus., 1915, p. 795 Everard Range, C.A.
 389. *subreticulatus* Cart., l.c., 1918, p. 703 King R., N.A.
 390. *substriatus* Cart., Roy. Soc. S. Aus., 1914, p. 378 Hunter R., N.S.W.
 391. *tarsalis* Hope, Ent. Soc. Lond., 1848, p. 55 Port Lincoln, S.A.
 asperipes Pasc., Ann. Mag. Nat. Hist., 1870, p. 101.

392. *tricarinatus* Blackb., Roy. Soc. S. Aus., 1892, p. 43 C.A.
 393. *wilsoni* Cart., Linn. Soc. N.S.W., 1925, p. 234 (?) W.A.

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Saragodinus Bates, Ent. Soc. Lond., 1872, p. 269.

394. *batesi* Haag., Jour. Mus. Godeffr., 1879, p. 117 Q.
 395. *duboulayi* Bates, Ent. Soc. Lond., 1872, p. 269 W.A.
 396. *howitti* Bates, l.c., p. 273 W.A.
 397. *irregularis* Cart., Linn. Soc. N.S.W., 1924, p. 537 . . . Stanthorpe, Q.
 398. *odevahni* Pasc., Jour. Ent., 1866, p. 449 S.A.
 399. *tuberculatus* Blackb., Linn. Soc. N.S.W., 1889, p. 873. Port Lincoln, S.A.
ONOSTERRHUS. Pasc., Jour. Ent., 1866, p. 451.

Hypocilibe Bates, Ent. Soc. Lond., 1872, p. 275.

400. *acuticollis* Cart., Ann. Q'land Mus., 1911, p. 14 N.W. Vic.
 401. *batesi* Haag., Verh. Ver. Hamb., 1878, p. 99 Q.
 402. *bos* Cart., Ann. Q'land Mus., 1911, p. 17 (pl. xvi., f. 14) . . S.A., W.A.
 403. *deanei* Cart., l.c., p. 21 W.A.
 404. *duboulayi* Cart., l.c., p. 19 Kookynie, W.A.
 405. *goudiei* Cart., l.c., p. 15 N.W. Vic.
 406. *impunctatus* Haag., Verh. Ver. Hamb., 1878, p. 99 . . Peak Downs, Q.
 407. *kennedyi* Cart., Roy. Soc. S.A., 1914, p. 378 E.A.
 408. *lactus* Blackb., Linn. Soc. N.S.W., 1890, p. 567 S.A.
 409. *laevipennis* Haag., Verh. Ver. Hamb., 1878, p. 100 N.A.
 410. *laevis* Pasc., Jour. Ent., 1866, p. 451 W.A.
 411. *lugubris* Blackb., Linn. Soc. N.S.W., 1890, p. 570 . . Port Lincoln, S.A.
 inconspicuus Blackb., l.c., p. 572.
 412. *macleani* Bates, Ent. Soc. Lond., 1872, p. 276 S.Q.
 413. *major* Blackb., Linn. Soc. N.S.W., 1890, p. 565 Yilgarn, W.A.
 heroina Blackb., Horn. Exp., 1896, p. 279.
 414. *marginicollis* Bates, Ent. Soc. Lond., 1872, p. 277 W.A.
 415. *ooldensis* Cart., Linn. Soc. N.S.W., 1918, p. 704 Ooldea, S.A.
 416. *opacus* Bates, Ent. Soc. Lond., 1872, p. 278 Champion Bay, W.A.
 417. *parvus* Cart., Ann. Q'land Mus., 1911, p. 13 Kookynie, W.A.
 418. *punctulatus* Bates, Ent. Mo. Mag., 1873, p. 51 W.A.
 419. *rotundatus* Blackb., Linn. Soc. N.S.W., 1890, p. 568 . . Lachlan R., N.S.W.
 420. *sculpturatus* Blackb., l.c., p. 569 N.S.W.
 421. *sloanei* Blackb., l.c., 1894, p. 103 Urana, N.S.W.
 422. *socius* Cart., Ann. Q'land Mus., 1911, p. 22 Nunga, Q.
 423. *squamosus* Cart., l.c., p. 16 Walgett, N.S.W.
 424. *stepheni* Cart. (*Agasthenes*) Linn. Soc. N.S.W., 1909, p. 133 . . Forbes,
 N.S.W.

425. *vagepunctatus* Haag., Verh. Ver. Hamb., 1878, p. 99 Q.
 426. *veterinosus* Blackb., Roy. Soc. S. Aus., 1900, p. 140 . . Lake Eyre, S.A.
 427. *vittatus* Blackb., Linn. Soc. N.S.W., 1895, p. 104 Q.
AGASTHENES. Bates, Ent. Soc. Lond., 1873, p. 352.

428. *championi* Cart., Linn. Soc. N.S.W., 1910, p. 131 S.A., W.A.
 429. *frenchi* Cart., l.c., 1909, p. 131 Murchison, W.A.
 430. *westwoodi* Bates, Ent. Soc. Lond., 1873, p. 353 S.A. & W.A.
AMPHIANAX. Bates, Ent. Soc. Lond., 1873, p. 350.

431. *subcoriaceus* Bates, l.c., p. 351 N.W. Vic., Eucla, S.A.
 goudiei (*Agasthenes*) Cart., Linn. Soc. N.S.W., 1909, p. 129.
 euclensis (*Agasthenes*) Cart., l.c., 1910, p. 129.

NYCTOZOILUS. Guér., Voy. Coquille, 1830, p. 92.

432. *approximatus* Blackb., Horn. Exp., 1896, p. 277 C.A.
 433. *carbonarius* Cart., Ann. Q'land Mus., 1911, p. 23 Yetholm, N.S.W.
 434. *carlovillensis* Cart., Linn. Soc. N.S.W., 1922, p. 75 Charleville, Q.
 435. *crassicornis* Blackb., Horn. Exp., 1896, p. 276 C.A.
 436. *crassus* Cart., Linn. Soc. N.S.W., 1924, p. 35 Uralla, N.S.W.
 437. *daemeli* Haag, Verh. Ver. Hamb., 1878, p. 98 Peak Downs, Q.
 438. *denticollis* Cart., Linn. Soc. N.S.W., 1921, p. 314 Stanthorpe, Q.
 439. *deyrollei* Bates, Ent. Soc. Lond., 1873, p. 348 (pl. xvi., f. 15)
 Fern Hills, V.
 440. *hardcastlei* Cart., Ann. Q'land Mus., 1911, p. 24 Cunneville, Q.
 441. *inaequalis* Blackb., Horn. Exp., 1896, p. 277 C.A.
 442. *irregularis* Blackb., l.c., p. 278 Alice Springs, C.A.
 443. *lateralis* Cart., Linn. Soc. N.S.W., 1925, p. 235 Yeppoon, Q.
 444. *macleayi* Cart. Coonabarabran, N.S.W.
 445. *marginatus* Cart., Linn. Soc. N.S.W., 1921, p. 315 Wyreema, Q.
 446. *mastersi* Mael., Ent. Soc. N.S.W., 1872, p. 284 Gayndah, Q.
 447. *obesus* Guér., Voy. Coqu., 1830, p. 93 S.Q.
 448. *parvus* Cart., Linn. Soc. N.S.W., 1917, p. 705 Townsville, Q.
 449. *puncto-costatus* Cart., l.c., 1921, p. 314 Wyndham, N.W.A.
 450. *pusillus* Cart., l.c., 1924, p. 35 Rockhampton, Q.
 451. *reticulatus* Bates, Ent. Soc. Lond., 1872, p. 274 N.S.W.
 452. *ruficornis* Cart., Ann. Q'land Mus., 1911, p. 28 Camooweal, Q.
 453. *sarcostatus* Champ., Ent. Soc. Lond., 1894, p. 388 N.W.A.
 454. *vermiculatus* Cart., Ann. Q'land Mus., 1911, p. 26 Angathella, Q.
- ONONYCTUS.** Cart., Roy. Soc. S. Aus., 1914, p. 382.
 455. *sulcatus* Cart., l.c., p. 383 Narrabri, N.S.W.
- AETHALIDES.** Bates, Ent. Mo. Mag., 1873, p. 50.
 456. *costipennis* Cart., Linn. Soc. N.S.W., 1909, p. 135 Cootamundra, N.S.W.
 457. *cori* Cart., Roy. Soc. S. Aus., 1914, p. 380 Wallomombi, N.S.W.
 458. *decemcostata* Cart., Linn. Soc. N.S.W., 1909, p. 138 Grampians, V.
 459. *marginicollis* Cart., l.c., p. 136 N.W.V.
 460. *punctipennis* Bates, Ent. Mo. Mag., 1873, p. 51 Murray R., V.
 461. *stepheni* Cart., Roy. Soc. S. Aus., 1914, p. 379 Howell, N.S.W.
- STYRUS.** Bates, Ent. Soc. Lond., 1873, p. 348.
 462. *batesi* Haag, Verh. Ver. Hamb., 1878, p. 98 Q.
elongatulus Bates, Ent. Soc. Lond., 1873, p. 350.
 463. *clathrides* Blackb., Linn. Soc. N.S.W., 1890, p. 573 V.
 464. *elongatulus* Mael., Ent. Soc. N.S.W., 1872, p. 284 N.S.W. & S.Q.
 465. *laticollis* Cart., Linn. Soc. N.S.W., 1909, p. 127 Walcha, N.S.W.
 466. *puncticollis* Cart., l.c., 1919, p. 156 Capertee, N.S.W.
- BYALLIUS.** Pasc., Ann. Mag. Nat. Hist., 1869, p. 42.
 467. *angustatus* Cart., Linn. Soc. N.S.W., 1925, p. 236 Nerriga, N.S.W.
 468. *kosciuskoanus* Cart., Linn. Soc. N.S.W., 1908, p. 412. Kosciusko, N.S.W.
 469. *laticollis* Cart., Roy. Soc. S. Aus., 1914, p. 385 Cooma, N.S.W.
 470. *mastersi* Cart., Linn. Soc. N.S.W., 1909, p. 139 Condobolin, N.S.W.
 471. *ovensensis* Cart., l.c., p. 139 Bright, V.
 472. *punctatus* Cart., l.c., 1919, p. 158 Cunningham, V.
 473. *reticulatus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 43 Gippsland, V.
 474. *revolutus* Cart. (*Styrus*) Roy. Soc. S. Aus., 1914, p. 381 Marmor, Q.
- ONOGLYPTA.** nom. nov.
aglypta Gebien, Fn. Südwest. Aus., 1908, p. 329.
 475. *gebieni* Cart., Ann. Q'land Mus., 1911, p. 29 Kookynie, W.A.

476. *octocostata* Geb., Fn. Sudw. Aus., 1908, p. 331 . . . Daydawn, W.A.
ONOTRICHUS. Cart., Ann. Q'land Mus., 1911, p. 30.
 477. *lateralis* Cart., l.c., p. 31 Shark Bay, W.A.
 478. *minor* Cart., Roy. Soc. S. Aus., 1914, p. 384 Cue, W.A.
TRICHOSARAGUS. Blackb., Linn. Soc. N.S.W., 1889, p. 1269.
 1269.

479. *pilosellus* Blackb., l.c., p. 1271 Yorke Pen., S.A.

Subfamily COSSYPHINAE.

COSSYPHUS. Ol., Ent., iii, 1795, p. 1.

480. *odewahni* Pasc., Jour. Ent., 1866, p. 468 N.S.W., S.A.

Subfamily BRISEINAE.

BRISES. Pasc., Ann. Mag. Nat. Hist., 1869, p. 145.

Ephidonium Pasc., l.c., p. 151.

481. *acuticornis* Pasc. (*Ephidonium*) l.c., p. 152 S.A.
 482. *blairi* Cart., Linn. Soc. N.S.W., 1914, p. 58 (pl. xvii, f. 19) C. and N.A.
 483. *duboulayi* Bates (*Ephidonium*) Ent. Soc. Lond., 1872, p. 279
 Champion Bay, W.A.
 484. *granulatus* Cart., Linn. Soc. N.S.W., 1921, p. 316. Broken Hill, N.S.W.,
 S.A.
 485. *parvicollis* Blackb. (*Ephidonium*) Roy. Soc. S. Aus., 1895, p. 52 . . C.A.
 486. *trachynotoides* Pasc., Ann. Mag. Nat. Hist., 1869, p. 146 . . S.A., W.A.

Subfamily TENEBRIONINAE.

SLOANEA. Cart., Linn. Soc. N.S.W., 1916, p. 209.

487. *costata* Cart., l.c., p. 210 (pl. xvii, f. 17) . . Mt. Barrington, N.S.W.

ASPHALUS. Pasc., Ent. Soc. Lond., 1868, p. 12.

488. *eburninus* Pasc., l.c., p. 12 N.S.W., S.Q.

489. *striatus* Cart., Linn. Soc. N.S.W., 1911, p. 209 Gympie, Q.

HYPPAULAX. Bates, Ent. Soc. Lond., 1868, p. 259.

Chileone Bates, l.c., p. 264.

490. *ampliata* Bates, Ann. Mag. Nat. Hist., 1874, p. 19 W.A.

var. *Parryi* Bates, l.c., p. 20.

491. *deyrollei* Bates (*Chileone*) Ent. Soc. Lond., 1868, p. 264. Tenterfield,

. N.S.W.

492. *foveata* Cart., Linn. Soc. N.S.W., 1914, p. 59 (pl. xvii, f. 16)

. Tenterfield, N.S.W., & S.Q.

493. *insularis* Hope (*Platynotus*) Ent. Soc. Lond., 1842, p. 76 N.A.

iridescens Blackb., Linn. Soc. N.S.W., 1888, p. 1432.

494. *interioris* Blackb., l.c., p. 1432 McDonnell Ranges.

495. *marginata* Bates, Ent. Soc. Lond., 1868, p. 261 N.S.W., S.Q.

sinuaticollis Bates, l.c., p. 261.

opacicolis Mael., Ent. Soc. N.S.W., 1872, p. 285.

496. *nanus* Cart., Linn. Soc. N.S.W., 1921, p. 316 N.A.

497. *opacula* Bates, Ann. Mag. Nat. Hist., 1874, p. 18 . . Rockhampton, Q.

498. *orcus* Pasc., Jour. Ent., 1866, p. 453 W.A. to Q.

var. *acutangula* Bates, Ann. Mag. Nat. Hist., 1874, p. 21.

499. *oralis* Bates, Ent. Soc. Lond., 1868, p. 263 N.S.W., Q.

oblonga Bates, l.c., p. 263.

gayndahensis Mael., Ent. Soc. N.S.W., 1872, p. 284.

(?) *crenata* Boisd. (*Upis*) Voy. Astrol., 1835, p. 255.

500. *puncticolis* Cart., Linn. Soc. N.S.W., 1914, p. 61 Onslow, W.A.

501. *pygmaeus* Cart. Port Darwin, N.T.

502. *spenceri* Cart., l.c., p. 62 Flora R., N.A.
 503. *tarda* Bates, Ent. Soc. Lond., 1868, p. 262 Wide Bay, Q.
 504. *tenuistriata* Bates, Ann. Mag. Nat. Hist., 1874, p. 21 N. Q.
HYDISSUS. Pasc., Ann. Mag. Nat. Hist., 1869, p. 148.
 505. *feronioides* Pasc. (*Nyctobates*) Jour. Ent., 1866, p. 453 . . N.S.W., Q.
ENCYALESTHUS. Motsch., Schrenck's Reise, 1860, p. 139.
 Cholipus Pasc., Jour. Ent., 1866, p. 471.
 Pachyurgus J. Lec., Class. Col. N. Amer., 1866, p. 230.
 506. *atro-viridis* Mael., Linn. Soc. N.S.W., 1888, p. 311 N.Q.
 var. *iridipennis* Fairm., Not. Leyd. Mus., 1897, p. 220.
 507. *excisipes* Cart., l.c., 1914, p. 63 Kuranda, Q.
 508. *punctipennis* Pasc., Jour. Ent., 1866, p. 472 N.S.W., Q.
 509. *tuberculiceps* Cart., Roy. Soc. S. Aus., 1914, p. 226 Q.
SETENIS. Motsch., Bull. Mosc., 1872, ii., p. 24.
 Pediris Motsch., l.c.
 510. *suleigera* Boisd. (*Upis*) Voy. Astrol., 1835, p. 256 C. York.
 longipes Motsch., Bull. Mosc., 1872, p. 28.
PROMETHIS. Pasc., Ann. Mag. Nat. Hist., 1869, p. 148.
 511. *angulata* Er., Arch. Nat., 1842, i., p. 174 . . . N.S.W., V., T., S.A.
 512. *lobicollis* Cart., Linn. Soc. N.S.W., 1914, p. 65 Kookynie, W.A.
 513. *major* Cart., l.c., p. 64 Gympie, Q.
 514. *minor* Cart., l.c., p. 67 Rockhampton, Q.
 515. *nigra* Bless., Hor. Soc. Ent. Ross., 1861, p. 91 . . . V., N.S.W., Q.
 lethalis Pasc., Ann. Mag. Nat. Hist., 1869, p. 148.
 516. *opaca* Cart., Roy. Soc. S. Aus., 1914, p. 386 Craven, N.S.W.
 517. *quadricollis* Pasc., Ann. Mag. Nat. Hist., 1869, p. 149 . . V., N.S.W., Q.
 pascoei Mael., Ent. Soc. N.S.W., 1872, p. 285.
MENEPHILUS. Muls., Col. Fr. Latigènes, 1854, p. 291.
 518. *coerulescens* Haag., Verb. Ver. Hamb., 1878, p. 100 N.S.W., Q.
 519. *colydioides* Er., Arch. Nat., 1842, p. 175 Q., N.S.W., V., T.
 var. *parvulus* Mael., Ent. Soc. N.S.W., 1872, p. 285.
 520. *corvinus* Er., l.c., p. 175 N.S.W., V., T., S.A.
 cyanipennis Hope, Ent. Soc. Lond., 1842, p. 79.
 521. *humilis* Er., Arch. Nat., 1842, p. 174 T.
 522. *laetus* Cart., Linn. Soc. N.S.W., 1914, p. 69 N.Q.
 523. *pulcher* Cart., l.c., 1924, p. 36 Deeral (?) N.Q.
 524. *rectibasis* Cart., l.c., 1914, p. 70 Dorrigo, N.S.W.
 525. *ruficornis* Champ., Ent. Soc. Lond., 1894, p. 391 . . . Q., N.S.W., V., T.
 var. *aeneus* Cart., Linn. Soc. N.S.W., 1905, p. 179. Syd., N.S.W.
 var. *azuripennis* Cart., l.c., 1914, p. 53 N.Q.
 526. *sydneyanus* Blackb., Roy. Soc. S. Aus., 1893, p. 132 . . . Q., N.S.W.
OECTOSIS. Pasc., Ann. Mag. Nat. Hist., 1869, p. 149.
 527. *cylindrica*, Germ. (*Upis*) Linn. Ent., 1848, p. 198 . . S.A., V. & W.A.
 longicollis Cart. (*Menephilus*) Linn. Soc. N.S.W., 1920, p. 231.
TEREMENES. Cart., Linn. Soc. N.S.W., 1914, p. 54.
 528. *convexinsulcus* Hope (*Menephilus*) Ent. Soc. Lond., 1842, p. 79.
 Q., N.S.W., V., T., S.A.
 servulus Pasc. (*Meneristes*) Ann. Mag. Nat. Hist., 1869, p. 151.
 (?) *nigerrimus* Boisd. (*Tenebris*) Voy. Astrol., 1835, p. 254.
 529. *longipennis* Hope, Ent. Soc. Lond., 1842, p. 79 . N.S.W., V., T., S.A.
 530. *socius* Cart., Linn. Soc. N.S.W., 1914, p. 68 N.Q.
MENERISTES. Pasc., Ann. Mag. Nat. Hist., 1869, p. 150.

531. *australis* Bless., Hor. Soc. Ent. Ross., 1861, p. 94 . . Q., N.S.W., V., T.
 (?) Boisd., Voy. Astrol., p. 254.
laticollis Pasc., Ann. Mag. Nat. Hist., 1869, p. 150.
 (?) Boisd., Voy. Astrol., 1835, p. 253 (*Baryscelis*).
angulicollis Motsch., Bull. Mosc., 1872, p. 30.
 var. *intermedius* Pasc., Ann. Mag. Nat. Hist., 1869, p. 150.
 (?) *politus* Boisd., Voy. Astrol., 1835, p. 253
 (?) *politus* Boisd., Voy. Astrol., 1835, p. 253 (*Baryscelis*).
532. *dentipes* Cart., Linn. Soc. N.S.W., 1914, p. 71 C. York, Q.
 533. *laticus* Cart., l.c., p. 75 Dorrigo, N.S.W.
 534. *porosus* Cart., l.c., 1918, p. 717 Atherton, N.Q.
 535. *proximus* Cart., l.c., 1914, p. 74,—1916, p. 214 N.S.W., Q.
 536. *tibialis* Cart., l.c., p. 73 (pl. xvii., f. 18) N.S.W., V.
TENEBRIO. L., Syst. Nat., 1758, p. 417.
 537. *molitor* L., l.c., p. 417 Cosmopolitan.
 538. *obscurus* F., Ent. Syst., 1792, p. 111 Cosmopolitan.
TOXICUM. Latr., Hist. Nat., 1804, p. 297.
 539. *brevicorne* Pasc., Jour. Ent., 1866, p. 454 Q., N.S.W., V.
parvicorne Macl., Ent. Soc. N.S.W., 1872, p. 281.
curvicorne Blackb., Roy. Soc. S. Aus., 1887, p. 276.
spretum Blackb., l.c., p. 276.
 540. *gracile* Pasc., Ann. Mag. Nat. Hist., 1881, p. 438 N.S.W., V.
 541. *insigne* Cart., Linn. Soc. N.S.W., 1914, p. 76 N.S.W., S.A.
 542. *punctipenne* Pasc., Jour. Ent., 1866, p. 454 N.A., Q., N.S.W.
distinctum Macl., Ent. Soc. N.S.W., 1872, p. 281.
addendum Blackb., Linn. Soc. N.S.W., 1888, p. 1431.
Plateuri Pic., Mel. Exot. Ent., vi., 1913, p. 19.
 543. *quinquecornutum* Cart., l.c., 1914, p. 77 Bellingen, N.S.W.
PARATOXICUM. Champ., Ent. Soc. Lond., 1894, p. 380.
 544. *iridescens* Champ., l.c., p. 381 T. and Vic. Alps.
SYNERCTICUS. Newm., Entomol., 1842, p. 403.
 545. *heteromerus* Newm., l.c., p. 403 Q., N.S.W., V., S.A.
piceus Pasc., Jour. Ent., 1862, p. 325.
TANYLYPA. Pasc., Ann. Mag. Nat. Hist., 1869, p. 152.
 546. *morio* Pasc., l.c., p. 153 T.
 Subfamily HETEROTARSINAE.
NOTOPRATAEUS. Cart., Linn. Soc., 1924, p. 37.
 547. *litoralis* Cart., l.c., p. 37 Townsville, Q.
 Subfamily CYPHALEINAE.
LEPISPILUS. Westw., Arcan., Ent., 1841, p. 44.
Tyndarismus Pasc., Ann. Mag. Nat. Hist., 1869, p. 294.
 548. *longitarsis* Pasc. (*Tyndarismus*) l.c. N.S.W., V., T.
 549. *rotundicollis* Blackb., Roy. Soc. S. Aus., 1889, p. 140 . . S.A., N.S.W., V.
 550. *stygianus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 290 . N.S.W. & V. Alps.
 551. *sulcicollis* Boisd., Voy. Astrol., 1835, pp. 248, 268 . . . N.S.W., V., T.
PLATYPHANES. Westw., Ent. Soc. Lond., 1849, p. 206.
 552. *chalcopteroides* Cart., Linn. Soc. N.S.W., 1913, p. 75 Q.
 553. *clarki* Cart., l.c., p. 74 Tenterfield, N.S.W.
 554. *creber* Blackb., Roy. Soc. S. Aus., 1892, p. 225 N.Q.
 555. *cyancipennis* Cart., Linn. Soc. N.S.W., 1915, p. 538. Tambourine Mt., Q.
 556. *cyaneus* Pasc., Jour. Ent., 1866, p. 472 Cairns, Q.
 557. *denticollis* Cart., Linn. Soc. N.S.W., 1914, p. 78 Warra, Q.
 558. *ellipticus* Cart., l.c., 1913, p. 81 Cairns, Q.

559. *elongatulus* Mael., l.c., 1888, p. 308 Mossman R., Q.
 560. *frenchi* Cart., l.c., 1913, p. 79 N.S.W., Q.
 561. *gibbosus* Westw., Ent. Soc. Lond., 1849, p. 206 N.S.W. & Q.
 562. *kershawi* Cart. (*Mocrodes*) Linn. Soc. N.S.W., 1913, p. 100 Q.
 563. *minor* Cart., l.c., p. 77 Dorriggo, N.S.W.
 564. *oblongus* Waterh., Ent. Soc. Lond., 1874, p. 547 Q.
 godeffroyi Haag., Verh. Ver. Hamb., 1878, p. 100.
 565. *parallelus* Cart., Linn. Soc. N.S.W., 1913, p. 78 Dorriggo, N.S.W.
 566. *quadrioveatus* Cart., l.c., p. 80 Q.
 var. *subangulatus* Cart., l.c., p. 81.
 567. *rugosulus* Cart., l.c., 1914, p. 80 Rockhampton, Q.
 568. *similis* Cart., l.c., 1917, p. 708 Q.
 569. *striatopunctatus* Westw. (*Prophanes*) Ent. Soc. Lond., 1849, p. 205.
 V., N.S.W., & Q.
 570. *superbus* Blackb., Linn. Soc. N.S.W., 1895, p. 105 N.Q.
LAONICUS. Haag., Verh. Ver. Hamb., 1878, p. 100.
 571. *dämeli* Haag., l.c., p. 101, 124 C. York, Q.
 572. *pilosus* Haag., l.c., p. 100, 124 N.Q.
OPIGENIA. Pasc., Ann. Mag. Nat. Hist., 1869, p. 288.
 573. *browni* Cart., Linn. Soc. N.S.W., 1914, p. 81 Southern Cross, W.A.
 574. *vittata* Westw. (*Platyphanes*) Ent. Soc. Lond., 1849, p. 206 V.
 iridescens Pasc., Ann. Mag. Nat. Hist., 1869, p. 289.
TRISILUS. Haag., Verh. Ver. Hamb., 1878, p. 101.
 575. *femoralis* Haag., l.c., p. 101, 127 Gayndah, Q.
 576. *punctipennis* Cart. (*Platyphanes*) Linn. Soc. N.S.W., 1911, p. 210.
 N.S.W., Q.
TIMENECA. Cart., Linn. Soc. N.S.W., 1914, p. 78.
 Ctimene Bates, Ent. Soc. Lond., 1873, p. 359.
 577. *breweri* Bates, l.c., p. 360 Albany, W.A.
CAMPANOTIPHILUS. Lea, Roy. Soc. S.A., 1914, p. 257.
 578. *fimbricollis* Lea, l.c., p. 258 Beverley, W.A.
MITROTHORAX. Cart., Linn. Soc. N.S.W., 1914, p. 78.
 Mitrephorus Cart. (nom. praeoc.) l.c., 1913, p. 83.
 579. *convexicollis* Cart., l.c., p. 83 Tambourine Mt., Q.
EUTOREUMA. Cart., Linn. Soc. N.S.W., 1914, p. 78.
 Toreuma Cart. (nom. praeoc.) l.c., 1913, p. 84.
 580. *cupreum* Cart., l.c., p. 85 N.Q.
 581. *minor* Cart., l.c., 1924, p. 37 S.Q.
OLISTHAENA. Er., Arch. Nat., 1842, p. 177.
 Decialma Pasc., Ann. Mag. Nat. Hist., 1869, p. 291.
 582. *nitida* Er., Arch. Nat., 1842, p. 178 T.
 erichsoni Champ. (*Decialma*) Ent. Soc. Lond., 1894, p. 395.
 583. *pascoei* Bates (*Decialma*) l.c., 1873, p. 358 Q.
 584. *rufaenea* Cart., Linn. Soc. N.S.W., 1914, p. 82 Tambourine Mt., Q.
 585. *tenuitarsis* Pasc., Ann. Mag. Nat. Hist., 1869, p. 291 N.S.W., V.
APHECTUS. Cart., nom. nov.
 Hectus Pasc., Ann. Mag. Nat. Hist., 1869, p. 289.
 586. *anthracinus* Pasc., l.c., p. 290 Rockhampton, Q.
BOLBOPHANES. Cart., Linn. Soc. N.S.W., 1913, p. 86.
 587. *dumbrelli* Lea, Linn. Soc. N.S.W., 1895, p. 603 N.S.W.
 588. *rugatus* Cart., l.c., 1913, p. 87 N.S.W., Q.
 589. *sericatus* Cart., l.c., 1919, p. 159 Brisbane, Q.
 590. *varicolor* Cart., l.c., 1913, p. 88 N.Q.

- HEMICYCLUS.** Westw., Arcan. Ent., 1841, p. 44.
 591. *flavipes* Cart., Linn. Soc. N.S.W., 1913, p. 89 Dorrigo, N.S.W.
 592. *punctulatus* Pasc., Journ. Ent., 1866, p. 472 V.
 593. *reaumuri* Casteln., Hist. Nat., 1840, p. 224 N.S.W., Q.
 grandis Westw., Arcan. Ent., 1841, p. 44.
 metallicus Westw., l.c., p. 44.
OSPIDUS. Pasc., Jour. Ent., 1866, p. 467.
 594. *chrysomeloides* Pasc., l.c., p. 468 S.A.
 paropsoides Cart., Linn. Soc. N.S.W., 1909, p. 128.
 595. *gibbus* Blackb., Roy. Soc. S. Aus., 1897, p. 94 Cape York, Q.
 596. *major* Cart., Linn. Soc. N.S.W., 1920, p. 231 N.Q.
ALTES. Pasc., Mag. Nat. Hist., 1869, p. 288.
 Apomestris Bates, Ent. Soc. Lond., 1873, p. 357.
 597. *binodosus* Pasc. (*Chartopteryx*) Jour. Ent., 1862, p. 327 Q.
 598. *westwoodi* Bates (*Apomestris*) Ent. Soc. Lond., 1873, p. 358. N.S.W., V.
AMARYGMIMUS. Bates, Ent. Soc. Lond., 1873, p. 354.
 599. *duboulayi* Bates, l.c., p. 355 Champion Bay, W.A.
CHARTOPTERYX. Westw., Arcan. Entom., 1841, p. 43.
 600. *blackburni* Cart., Linn. Soc. N.S.W., 1913, p. 91 S.A.
 601. *childreni* Westw., Arcan. Ent., 1841, p. 44 N.S.W.
 602. *glaber* MacL., Linn. Soc. N.S.W., 1888, p. 310 N.S.W., Q.
 603. *imperialis* Cart., l.c., 1908, p. 407 (pl. xvii, f. 21) N.Q.
 604. *mastersi* MacL., Ent. Soc. N.S.W., 1872, p. 287 Gayndah, Q.
 605. *planus* Cart., Linn. Soc. N.S.W., 1913, p. 90 Acacia Cr., N.S.W.
 606. *victoriensis* Blackb., Roy. Soc. S. Aus., 1892, p. 226 N.S.W., V.
CYPHALEUS. Westw., Arcan. Ent., 1841, p. 43.
 607. *aereus* Waterh., Ent. Mo. Mag., 1877, p. 72 Brisbane, Q.
 608. *cupricollis* MacL., Ent. Soc. N.S.W., 1872, p. 287 Gayndah, Q.
 609. *formosus* Westw., Arcan. Ent., 1841, p. 43 N.S.W., Q.
 var. *iopterus* Westw., l.c., p. 43.
 insignitus Pasc., Jour. Ent., 1862, p. 327.
 610. *fulgidipennis* Boisd. (*Chrysobalus*) Voy. Astrol., 1835, p. 267. N.S.W., Q
 Schmeltzi Haag., Verh. Ver. Hamb., 1878, p. 101.
 611. *rugosus* Gray, Griff. Anim. Kingd., 1832 N.S.W
 aterrimus Gray, l.c., p. 22.
OREMASIS. Pasc., Jour. Ent., 1866, p. 470.
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 612. *cupreus* Gray, Griff. Anim. Kingd., 1832, p. 22 N.S.W.
 613. *haagi* Bates, Ent. Soc. Lond., 1873, p. 356 Q.
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 614. *gloriosus* Cart., l.c., p. 94 Dorrigo, N.S.W.
 615. *splendens* Cart., l.c., p. 96 Tambourine Mt., Q.
 616. *variegatus* Cart., l.c., p. 93 Dorrigo, N.S.W.
PARAPHANES. MacL., Linn. Soc. N.S.W., 1888, p. 308.
 617. *nitidus* MacL., l.c., p. 309. Q.
PROPHANES. Westw., Ent. Soc. Lond., 1849, p. 203.
 Moerodes Waterh., Ent. Mo. Mag., 1877, p. 72.
 [See my note Linn. Soc. N.S.W., 1917, p. 717, also l.c., 1914, p. 72.]
 618. *aculeatus* Westw., l.c., p. 204 N.S.W., Q.
 westwoodi MacL., Ent. Soc. N.S.W., 1872, p. 287.
 619. *brevicostatus* Cart., Linn. Soc. N.S.W., 1922, p. 75 Kuranda, Q
 620. *brevispinosus* Cart., l.c., 1913, p. 99 N.Q
 621. *browni* Cart., l.c., 1914, p. 83 N.Q

622. *ducalis* Cart., l.c., 1913, p. 97 (pl. xvii, f. 20) N.Q.
 623. *mastersi* Pasc., Ann. Mag. Nat. Hist., 1871, p. 357 Gayndah, Q.
 chalybeipennis Macl., Ent. Soc. N.S.W., 1872, p. 286.
ANAUISIS. Bates, Ent. Soc. Lond., 1873, p. 355.
 624. *macleayi* Bates, l.c., p. 356 Champion B., W.A.
 625. *metallescens* Westw. (*Prophanes*) Ent. Soc. Lond., 1849, p. 204. N.S.W.
 spinosus Waterh., l.c., 1874, p. 546.
 626. *quadrispinosus* Waterh. (*Cyphaleus*) l.c., p. 545 N.S.W. & Q.
 tricolor Haag. (*Prophanes*) Verh. Ver. Hamb., 1878, p. 101.
LYGESTIRA. Pasc., Jour. Ent., 1866, p. 470.
 627. *lata* Waterh., Ent. Mo. Mag., 1877, p. 72 N.S.W., S.Q.
 628. *simplex* Westw. (*Prophanes*) Ent. Soc. Lond., 1849, p. 205, N.S.W., V.,
 S.A.
BARYTIPHA. Pasc., Ann. Mag. Nat. Hist., 1869, p. 292.
 629. *socialis* Pasc., l.c., p. 292 V.
MITHIPPIA. Pasc., Ann. Mag. Nat. Hist., 1869, p. 293.
 630. *aurita* Pasc., l.c., p. 293 N.S.W., S.A.
 631. *jansoni* Bates, Ent. Soc. Lond., 1873, p. 359 W.A.

Subfamily CNODALONINAE.

- TITAENA.** Er., Arch. Naturg., 1842, p. 178.
 632. *alcyonea* Er., l.c., p. 180 T., W.A.
 var. *ruficollis* Bates, Ann. Mag. Nat. Hist., 1874, p. 104.
 633. *columbina* Er., l.c., p. 179 T., V., N.S.W.
 rugosa Blanch., Voy. Pol. Sud., 1853, p. 178.
 var. *viridis* Bates, Ann. Mag. Nat. Hist., 1874, p. 103.
 634. *minor* Cart., Linn. Soc. N.S.W., 1913, p. 104 . . . Tambourine Mt., Q.
 635. *pulchra* Bates, Ann. Mag. Nat. Hist., 1874, p. 103 . . . Moruya, N.S.W.
 636. *tasmanica* Champ., Ent. Soc. Lond., 1894, p. 396 T.
 637. *tyrrhera* Cart., Linn. Soc. N.S.W., 1913, p. 103 Guyra, N.S.W.
 638. *varicolor* Haag., Verh. Ver. Hamb., 1878, p. 102 N.Q.
THESILEA. Haag., Verh. Ver. Hamb., 1878, p. 103.
 639. *cuprina* Fairm., Rev. Zool., 1849, p. 451 N.Q.
CHARIOTHECA. Pasc., Jour. Ent., 1860, p. 125.
 Chariothes Cart., Linn. Soc. N.S.W., 1914, p. 78.
 640. *brevis* Cart. (*Menepphilus*) Linn. Soc. N.S.W., 1914, p. 69 . . . N.S.W., Q.
 641. *doddi* Cart., l.c., 1924, p. 38 N.Q.
 642. *planicollis* Fairm. (*Thesilea*) Rev. Zool., 1849, p. 451 N.Q.
 oblonga Blanch. (*Olisthaena*) Voy. Pol. Sud., 1853, p. 169.
 cupripennis Pasc., Jour. Ent. 1860, p. 126.
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 643. *striato-punctata* Macl. (*Decialma*) Linn. Soc. N.S.W., 1888, p. 310. N.Q.
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656. *asperatus* Cart., Linn. Soc. N.S.W., 1916, p. 213. Barrington Mt., N.S.W.
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658. *australis* Cart., l.c., p. 242 S. N.S.W., V.
659. *bisulcatus* Cart., l.c., 1911, p. 216 Dalveen, Q.
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 838. *vertebralis* Cart., l.c., p. 397 Blackheath, N.S.W.
 839. *vicina* Cart., l.c., p. 397 Grose Valley, N.S.W.

BRYCOPIA. Pasc., Ann. Mag. Nat. Hist., 1869, p. 141.

Dinoria Pasc., l.c.

840. *angulata* Cart. (*Daedrosis*) Roy. Soc. S. Aus., 1914, p. 389 V.
 841. *capillata* Cart., Linn. Soc. N.S.W., 1921, p. 319 Stanthorpe, Q.
 842. *cheesmani* Cart., l.c., 1909, p. 154 Alps, V., Southern N.S.W.
 843. *coelioides* Pasc. (*Dinoria*) Ann. Mag. Nat. Hist., 1870, p. 103 T.
 diemenensis Cart., Linn. Soc. N.S.W., 1919, p. 170.
 844. *comata* Cart., l.c., 1920, p. 244 S.A.
 845. *crenaticollis* Cart., l.c., 1908, p. 415 Ourimbah & Blue Mts., N.S.W.
 846. *dubia* Mael., Ent. Soc. N.S.W., 1872, p. 293 Gayndah, Q.
 847. *femorata* Cart., Linn. Soc. N.S.W., 1909, p. 155 Warburton, V.
 848. *globoicollis* Cart., l.c., 1920, p. 244 Launceston, T.
 849. *globulosa* Cart. (*Adelium*) l.c., 1905, p. 184 Kurrajong, N.S.W.
 850. *hexagona* Cart., l.c., 1920, p. 246 Mt. Wellington, T.
 851. *leai* Cart., l.c., p. 245 Launceston, T.
 852. *longipes* Mael., Ent. Soc. N.S.W., 1872, p. 293 Gayndah, Q.
 853. *minor* Cart. (*Adelium*) Linn. Soc. N.S.W., 1905, p. 183. Ourimbah, N.S.W.
 854. *minuta* Lea (*Adelium*) l.c., 1898, p. 583. . . Sydney, Mulwala, N.S.W.,
 Barossa, S.A.
 855. *monilicornis* Mael., Ent. Soc. N.S.W., 1872, p. 289 Gayndah, Q.
 856. *obtusa* Cart., Linn. Soc. N.S.W., 1920, p. 246 Lizard Isl., Q.
 857. *pilosella* Pasc., Ann. Mag. Nat. Hist., 1869, p. 141 . . Mt. Macedon, V.
 858. *punctatissima* Cart., Linn. Soc. N.S.W., 1919, p. 171 . . Exeter, N.S.W.
 859. *quadraticollis* Cart., l.c., 1925, p. 242 Barrington, N.S.W.
 860. *taylori* Cart., l.c., 1906, p. 258 Oberon, N.S.W.
 861. *tuberculifera* Champ., Ent. Soc. Lond., 1894, p. 405 T.

LEPTOGASTRUS. Mael., Ent. Soc. N.S.W., 1872, p. 293.

862. *apiformis* Cart. (*Daedrosis*) Roy. Soc. S. Aus., 1914, p. 389. Dapto, N.S.W.
 863. *cyaneus* Cart., Linn. Soc. N.S.W., 1920, p. 239 Q.
 864. *hirsutus* Cart. (*Daedrosis*) l.c., 1906, p. 254 Mt. Kosciusko, N.S.W.
 865. *mastersi* Mael., Ent. Soc. N.S.W., 1872, p. 294 Gayndah, Q.
 866. *occidentalis* Cart., Linn. Soc. N.S.W., 1920, p. 239 . . Parkerville, W.A.

DAEDROSIS. Bates, Ent. Soc. Lond., 1868, p. 266.

867. *antennalis* Cart., Linn. Soc. N.S.W., 1920, p. 240 . . Mt. Irvine, N.S.W.
 868. *crenatostriata* Bates, Ent. Soc. Lond., 1868, p. 268 N.S.W.
 ambigua Bates, l.c., p. 269.
 pygmaea Haag., Verh. Ver. Hamb., 1878, p. 103.

MACROPERAS. Cart., Roy. Soc. S. Aus., 1914, p. 393.

869. *antennalis* Cart., l.c., p. 394 Moruya, N.S.W.

CORIPERA. Pasc., Jour. Ent., 1866, p. 483.

870. *adamsi* Lea, Linn. Soc. N.S.W., 1911, p. 476 (pl. xvii, f. 27)
 Magnet, Waratah, T.
 871. *bistriata* Cart., l.c., 1908, p. 414 Zeehan, T.
 872. *deplanata* Boisd., Voy. Astrol., 1835, p. 277 Hobart, T.
 873. *distincta* Cart., Linn. Soc. N.S.W., 1905, p. 185 . . Blackheath, N.S.W.

874. *geminata* Lea, l.c., 1898, p. 588 Mt. Kosciuszko, N.S.W.
 875. *mastersi* Mael., Ent. Soc. N.S.W., 1872, p. 292 Gayndah, Q.
 876. *morleyana* Cart., Linn. Soc. N.S.W., 1905, p. 184 Mt. Irvine, N.S.W.
 877. *ocellata* Pasc., Ann. Mag. Nat. Hist., 1869, p. 44 Mt. Macedon, V.
DYSTALICA Pasc., Ann. Mag. Nat. Hist., 1869, p. 142.
 878. *homogena* Pasc., l.c., p. 142 W.A.
 parallela Lea, Linn. Soc. N.S.W., 1898, p. 586.
 879. *panageicollis* Mael. (*Adelium*) Ent. Soc. N.S.W., 1872, p. 290.
 Gayndah, Q.
 *880. *subpubescens* Bates, Ent. Soc. Lond., 1873, p. 369 (?) N.S.W.
 (Doubtfully distinct from *homogena* Pasc., while the locality given by the
 author has not been confirmed.)
EUTHERAMA Cart., Roy. Soc. S. Aus., 1914, p. 405.
 881. *cyaneum* Cart., l.c., p. 405 N.A.
CYMBEBA Pasc., Jour. Ent., 1866, p. 483.
 *882. *dissimilis* Pasc., l.c., p. 484 C. York, Q., & New Caledonia.
 (Unknown in Australian collections. The Australian habitat requires con-
 firmation).

Subfamily HELOPINÆ.

- OMOLIPUS* Pasc., Jour. Ent., 1860, p. 127.
 883. *angustus* Cart., Linn. Soc. N.S.W., 1915, p. 537 Cue, W.A.
 884. *bimetallicus* Cart., l.c., p. 536 Alligator R., N.A.
 885. *coeruleus* Cart., l.c., 1918, p. 711 King R., N.A.
 886. *corvus* Pasc., Jour. Ent., 1860, p. 127 (pl. xvii, f. 28) S.Q.
 grandis Mael., Ent. Soc. N.S.W., 1872, p. 294.
 887. *cyaneus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 98 Nicol Bay and
 Albany, W.A.
 chalybeus Geb., Fn. Sudwest. Aus., 1908, p. 332.
 888. *cyaneipennis* Champ., Ent. Soc. Lond., 1894, p. 394 N.W.A.
 889. *gnesioides* Pasc., Ann. Mag. Nat. Hist., 1869, p. 143. Port Denison, Q.
 890. *laevis* Pasc., l.c., p. 142 C. York, Q.
 891. *nitidus* Cart. Blackall Range, Q.
 892. *oblongus* Bates, Ent. Soc. Lond., 1873, p. 379 Champion Bay, W.A.
 affinis Geb., Fn. Sudwest. Aus., 1908, p. 333.
 893. *ovatus* Cart., Linn. Soc. N.S.W., 1922, p. 79 Recherche Isl.
 894. *parvus* Bates, Ent. Soc. Lond., 1873, p. 379 W.A.
 895. *punctato-sulcatus* Cart., Linn. Soc. N.S.W., 1920, p. 249 N.A.
 896. *socius* Pasc., Ann. Mag. Nat. Hist., 1862, p. 463. Lizard Is. & Kuranda, Q.
 897. *submetallicus* Geb., Fn. Sudwest. Aus., 1908, p. 333 C. York, Q.
CAMPOLENE Pasc., Jour. Ent., 1863, p. 44.
 898. *nitida* Pasc., l.c., p. 44 Sydney, N.S.W.
AUSTROPEUS Cart., Linn. Soc. N.S.W., 1924, p. 543.
 899. *pustulosus* Cart., l.c., p. 543 (?) W.A.
TARPELA Bates, Ent. Mo. Mag., 1870, p. 272.
 Lamperos All., Abeille, 1876, p. 4.
 900. *catenulata* All., Pet. Nouv. Ent., 1877, p. 97 A.
 901. *doddi* Cart., Linn. Soc. N.S.W., 1918, p. 712 N.Q.

Subfamily MERACANTHINÆ.

- AXYNAON* Blackb., Roy. Soc. S. Aus., 1897, p. 34.
 Catopherus Cart., Linn. Soc. N.S.W., 1917, p. 713.

902. *championi* Blackb., l.c., p. 35 (pl. xvii., f. 29) N.Q.
corpulentus (*Catopherus*) Cart., Linn. Soc. N.S.W., 1917, p. 714.
- BLUOPS.* Cart., Roy. Soc. S. Aus., 1914, p. 227.
903. *verrucosus* Cart., l.c., p. 228 Cairns, Q.
- MELYTRA.* Pasc., Ann. Mag. Nat. Hist., 1869, p. 34.
904. *ovata* Pasc., l.c., p. 34 (pl. xvii., f. 23) T.
- Subfamily AMARYGMINAE.
- AMARYGMUS.* Dahn., Analect. Ent., 1823, p. 60.
- Eurypera* Pasc., Ann. Mag. Nat. Hist., 1870, p. 106.
Dietysus Pasc., Jour. Ent., 1866, p. 486.
Aphylocerus Fairm., Le Natural., 1881, p. 348.
905. *aborigine* Cart., Roy. Soc. S. Aus., 1913, p. 39 Mackay, Q.
906. *aeger* Blackb., Linn. Soc. N.S.W., 1893, p. 90 N.S.W., V., S.A.
907. *anthracinus* Hope, Ent. Soc. Lond., 1842, p. 79 N.S.W., Q.
ellipsoides Pasc., Ann. Mag. Nat. Hist., 1869, p. 350.
908. *bicolor* F., Syst. Ent., p. 118 Cairns, Q.
tardus Blackb., Linn. Soc. N.S.W., 1889, p. 1247.
var. *torridus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 351.
909. *carbo* Cart., Linn. Soc. N.S.W., 1913, p. 38 Cairns, Q.
910. *convexiusculus* Macl., Ent. Soc. N.S.W., 1872, p. 297 Gayndah, Q.
911. *convexus* Pasc., Jour. Ent., 1866, p. 485 Brisbane, Q.
912. *corpulentus* Cart., Linn. Soc. N.S.W., 1913, p. 40 Mt. Chalmers, Q.
913. *cupido* Pasc., Ann. Mag. Nat. Hist., 1869, p. 346 Cooktown, Q.
914. *curvipes* Geb., n.n. for *alienus* Blkb., Linn. Soc. N.S.W., 1893, p. 93. Vic.
915. *diaperoides* Blackb., Linn. Soc. N.S.W., 1888, p. 1387 N.Q.
916. *erubescens* Cart., Roy. Soc. S. Aus., 1914, p. 230 Cairns, Q.
917. *exilis* Pasc., Ann. Mag. Nat. Hist., 1869, p. 346 N.S.W. & V.
918. *femoratus* Cart., Roy. Soc. S. Aus., 1913, p. 43 N.Q.
919. *foveolatus* Macl., Ent. Soc. N.S.W., 1872, p. 297 Gayndah, Q.
920. *frenchi* Blackb., Linn. Soc. N.S.W., 1893, p. 90 (?) Vic.
921. *gemmaus* Cart., Roy. Soc. S. Aus., 1913, p. 44 Kuranda, Q.
922. *hackeri* Cart., l.c., p. 44 C. York, Q.
923. *incultus* Cart., Linn. Soc. N.S.W., 1919, p. 172 N.A.
924. *kershawi* Cart., Roy. Soc. S. Aus., 1913, p. 42 N.S.W.
925. *kurandae* Cart., l.c., p. 45 Kuranda, Q.
926. *lindensis* Blackb., Linn. Soc. N.S.W., 1893 pp. 93, 104. Port Lincoln, S.A.
927. *lilliputianus* Blackb., l.c., pp. 91, 104 Wide Bay, Q.
928. *maculicollis* Cart., Roy. Soc. S. Aus., 1914, p. 231 Kuranda, Q.
929. *maurulus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 105 N.S.W. & Q.
930. *metalliceus* Cart., Linn. Soc. N.S.W., 1921, p. 321 Cue, W.A., &
. Tarecola, S.A.
931. *minus* Cart., Roy. Soc. S. Aus., 1914, p. 232 Cairns, Q.
932. *minutus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 347 Sydney, N.S.W.
rutilipes Blackb., Linn. Soc. N.S.W., 1893, p. 91.
933. *morio* F., Sys. Ent., 1775, p. 123 N.Q., Papua Isl.
var. *cuprea* Guér., Voy. Coquille, 1830, p. 102.
uniformis Blackb., Linn. Soc. N.S.W., 1889, p. 1272.
tasmanicus Blackb., l.c., 1893, p. 105.
foveoseriatus Fairm., Pet. Nouv. Ent., 1877, p. 187.
foveostriatus Fairm., Soc. Ent. Belg., 1883, p. 29.
picipes Fairm. (*Dietysus*) Tijd. v. Ent., 1893, p. 26.
934. *obtusius* Pasc., Ann. Mag. Nat. Hist., 1869, p. 348 Q.

935. *pascoeii* Geb. [n.n. for *cupreus* Pasc. (*Euripera*) Ann. Mag. Nat. Hist., 1870, p. 106] Port Denison, Q.
936. *pectoralis* Blackb., Linn. Soc. N.S.W., 1893, p. 90, 96. Dorriggo, N.S.W.
937. *perplexus* Blackb., l.c., pp. 92, 102 N.A.
queenslandicus Blackb., l.c., pp. 92, 101 N.Q.
938. *pivicornis* Hope, Ent. Soc. Lond., 1842, p. 78 . . . N.S.W., V., S.A.
indigaccus Pasc., Ann. Mag. Nat. Hist., 1869, p. 346.
939. *pinguis* Blackb., Linn. Soc. N.S.W., 1893, pp. 92, 102 . . Cooktown, Q.
940. *porosus* Blackb., l.c., pp. 91, 98 N.Q.
941. *pusillus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 347 . . Illawarra, N.S.W.
942. *regius* Cart., Roy. Soc. S. Aus., 1914, p. 229 Cairns, Q.
943. *rimosus* Blkb., Linn. Soc. N.S.W., 1893, pp. 93, 103. Richmond R. N.S.W.
944. *rufescens* Cart., Roy. Soc. S. Aus., 1913, p. 41 N.W.A.
945. *rusticornis* Blackb., Linn. Soc. N.S.W., 1893, pp. 90, 96. Richmond R.,
. N.S.W.
946. *rugaticollis* Blackb., l.c., pp. 93, 104 Sydney, N.S.W.
947. *semissus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 349 . . Illawarra, N.S.W.
948. *sphaeroides* Cart., Roy. Soc. S. Aus., 1913, p. 38 Q.
949. *stolidus* Blackb., Linn. Soc. N.S.W., 1893, pp. 91, 99. . . Sydney, N.S.W.
. S.Q.
950. *striatus* MacL., Ent. Soc. N.S.W., 1872, p. 297 N.S.W. & Q.
951. *suavis* Blackb., Linn. Soc. N.S.W., 1893, pp. 90, 95 . . Sydney, N.S.W.
952. *sulcatus* Cart., l.c., 1917, p. 715 Melville Is.
953. *tarsalis* Pasc., Jour. Ent., 1866, p. 485 Q.
954. *termitophilus* Lea, Roy. Soc. Vic., 1910, p. 223 Q.
955. *tibialis* Cart., Roy. Soc. S. Aus., 1913, p. 40 N.Q.
956. *tristis* F., Sys. Ent., 1798, p. 102 N.S.W. & Q.
957. *tropicus* Cart., Roy. Soc. S. Aus., 1913, p. 42 N.Q.
958. *tyrrhenus* Pasc., Ann. Mag. Nat. Hist., 1870, p. 105 . . . Albany, W.A.
959. *variolaris* Pasc., l.c., p. 106 Wide B., Q.
- TRICHAMARYGMUS*. Cart., Roy. Soc. S. Aus., 1913, p. 46.
960. *pilosus* Cart., l.c., p. 46 Shark B., Cue, W.A.
- CHALCOPTERUS*. Bless., Hor. Soc. Ent. Ross., 1861, p. 103.
961. *acutangulus* Blackb., Roy. Soc. S. Aus., 1899, p. 47 C.A.
962. *affinis* Bless., Hor. Soc. Ent. Ross., 1861, p. 109. Q., N.S.W., V., S.A.,
. W.A.
- howitti* Pasc., Ann. Mag. Nat. Hist., 1869, p. 348.
- simius* Blackb., Linn. Soc. N.S.W., 1892, p. 421.
963. *amethystinus* F., Sys. Ent., 1775, p. 124 N.A.
964. *angusticollis* Cart., Roy. Soc. S. Aus., 1913, p. 19 N.Q.
965. *bellus* Blackb., Linn. Soc. N.S.W., 1892, p. 433 N.Q.
966. *boops* Blackb., Roy. Soc. S. Aus., 1899, p. 45 W.A.
967. *bovilli* Blackb., Linn. Soc. N.S.W., 1892, p. 453 N.A.
968. *brevipes* Blackb., l.c., p. 434 N.W. Vic. & S.A.
969. *caesar* Cart., Roy. Soc. S. Aus., 1913, p. 16 (pl. xvii, f. 30)
. Sandstone, W.A.
970. *carinaticeps* Blackb., Linn. Soc. N.S.W., 1892, p. 468 . . Cunnamulla, Q.
971. *carus* Blackb., l.c., p. 430 N.W. Vic. & W.A.
972. *catenulatus* Blackb., l.c., p. 469 Toowoomba, Q.
973. *clypealis* Blackb., l.c., p. 420 S.A.
974. *colossus* Blackb., l.c., p. 454 V., N.S.W., Q.
 laticollis Blackb., l.c., 1893, p. 65.

975. *columbinus* Boisd., Voy. Astrol., 1832, p. 271 N.S.W., V., T.
variabilis Bless., Hor. Soc. Ent. Ross., 1861, p. 108.
vinosus Pasc., Ann. Mag. Nat. Hist., 1869, p. 345.
976. *confusus* Cart., Roy. Soc. S. Aus., 1914, p. 236 S.Q.
opacicollis Blackb. (nec Mael.).
(?) *resplendens* Boisd., Voy. Astrol., 1832, p. 272.
977. *costatus* Blackb., Roy. Soc. S. Aus., 1899, p. 46 N.W.A.
978. *cribratus* Blackb., l.c., 1901, p. 25 Marmor, Q.
979. *cupreus* F., Sys. Ent., 1775, p. 123 Cairns, Q.
venereus Gmel., Ed. Linn., 1788, p. 1728.
rusticus Blackb., Linn. Soc. N.S.W., 1893, p. 63.
980. *cupripennis* Hope, Ent. Soc. Lond., 1842, p. 78 N.S.W.
froggatti Blackb., Linn. Soc. N.S.W., 1892, p. 436.
981. *cyaneus* Cart., Roy. Soc. S. Aus., 1913, p. 24 N.W.A.
982. *cyaneiventris* Cart., l.c., p. 12 S.A.
longipennis Blackb. (nec Hope).
983. *cyanopterus* Hope, Gray's Zool. Misc., i., 1831, p. 32. ? Nepal, N.S.W., V.
cyaneipennis Hope, Ent. Soc. Lond., 1842, p. 78.
laevicollis Bless., Hor. Soc. Ent. Ross., 1861, p. 110.
coelestis Pasc., Ann. Mag. Nat. Hist., 1869, p. 345.
984. *cylindricus* Blackb., Linn. Soc. N.S.W., 1892, p. 452 N.Q.
985. *difficilis* Blackb., l.c., p. 426 McDonnell Range, C.A.
986. *doddi* Cart., Roy. Soc. S. Aus., 1913, p. 18 Kuranda, Q.
987. *elongatus* Cart., l.c., p. 20 Q.
988. *eremita* Blackb., l.c., 1890, p. 44 Mt. Margaret, W.A.
(?) *puer* Blackb., l.c., 1899, p. 41.
989. *eyrensis* Blackb., Linn. Soc. N.S.W., 1892, p. 442 S.A.
990. *exoletus* Blackb., l.c., 1893, p. 58 Cooktown, Q.
991. *fastuosus* Germ., Linn. Ent., 1848, p. 200 . . Q., N.S.W., V., S. Aus., W.A.
obsoletus Mael., Ent. Soc. N.S.W., 1872, p. 296.
confluens Blackb., Linn. Soc. N.S.W., 1892, p. 440.
992. *fervens* Germ., Linn. Ent., 1848, p. 200 Adelaide, S.A.
993. *gilesi* Cart., Roy. Soc. S. Aus., 1913, p. 17 Condon, W.A.
994. *gracilicornis* Blackb., l.c., 1899, p. 45 Yalgoo, W.A.
995. *gracilior* Blackb., Linn. Soc. N.S.W., 1893, p. 66 Cairns, Q.
996. *grandis* Mael., Ent. Soc. N.S.W., 1872, p. 295 Gayndah, Q.
997. *imperialis* Blackb., Linn. Soc. N.S.W., 1892, p. 455 Marmor, Q.
998. *inconspicuus* Blackb., l.c., p. 466 W.A.
999. *interioris* Blackb., l.c., 1890, p. 311 S.A., W.A.
blackburni Geb., Fauna S.W. Aus., 1908, p. 339.
1000. *intermedius* Blackb., Linn. Soc. N.S.W., 1892, p. 439 . . N.S.W. & S.Q.
arthuri Blackb., Roy. Soc. S. Aus., 1902, p. 319.
1001. *interrogationis* Geb., Fauna S.W. Aus., 1908, p. 337 S.W.A.
1002. *iridescent* Cart., Roy. Soc. S. Aus., 1913, p. 22 Eucla, S.A.
1003. *iridicolor* Bless., Hor. Soc. Ent. Ross., 1861, p. 107 Vic., N.S.W.
1004. *iridiventris* Blackb., Linn. Soc. N.S.W., 1892, p. 458 . . . S.A., W.A.
meyricki Blackb., Roy. Soc. S. Aus., 1890, p. 45.
1005. *iris* Blackb., l.c., 1899, p. 43 Q.
1006. *juvenis* Blackb., Linn. Soc. N.S.W., 1892, p. 429 Portland, V.
1007. *kochi* Blackb., Roy. Soc. S. Aus., 1900, p. 59, L. Eyre, S.A. & Dalby, Q.
1008. *laetus* Blackb., Linn. Soc. N.S.W., 1892, p. 428 Eucla, S.A.
1009. *latifrons* Cart., Roy. Soc. S. Aus., 1913, p. 23 Shark B., W.A.

1010. *leai* Blackb., Linn. Soc. N.S.W., 1893, p. 65 .. (Int.) N.S.W. & N.W.V.
1011. *lepidus* Blackb., l.c., 1892, p. 465 York, W.A.
1012. *longipennis* Hope, Ent. Soc. Lond., 1842, p. 79 .. . Kellerberrin, W.A.
similis Blackb., Linn. Soc. N.S.W., 1892, p. 451.
1013. *longiusculus* Blackb., l.c., 1888, p. 1435 S.A.
1014. *longulus* Blackb., l.c., 1892, p. 455 W.A.
1015. *lucidus* Cart., l.c., 1924, p. 42 Beverley, W.A.
1016. *macer* Blackb., l.c., p. 464 S.A.
1017. *major* Blackb., l.c., p. 449 Cooktown, Q.
1018. *mastersi* Blackb., l.c., 1893, p. 61 N.A.
1019. *maximus* Cart., Roy. Soc. S. Aus., 1913, p. 15 Cooktown, Q.
cupreus Blackb. (nec F.).
1020. *mercurius* Blackb., Linn. Soc. N.S.W., 1892, p. 449 N.W.A.
var. *croesus* Blackb., Roy. Soc. S. Aus., 1899, p. 44.
1021. *michaelseni* Geb., Fauna, Sudw., Aus., 1908, p. 334 W.A.
1022. *minus* Blackb., Linn. Soc. N.S.W., 1892, p. 450 .. Kalgoorlie, W.A.
1023. *minor* Blackb., l.c., p. 448 W.A.
hartmeyer Geb., Fauna Sudw. Aus., 1908, p. 336.
1024. *modestus* Blackb., Linn. Soc. N.S.W., 1892, p. 432 .. . Wide B., Q.
1025. *murrayensis* Blackb., l.c., p. 462 S.A.
1026. *mundus* Blackb., Roy. Soc. S. Aus., 1899, p. 48 N.Q.
1027. *neglectus* Blackb., Linn. Soc. N.S.W., 1892, p. 446 .. . N.S.W. & S.Q.
1028. *nigritarsis* Pasc., Jour. Ent., 1866, p. 485 Gayndah, Q.
rufipes Macl., Ent. Soc. N.S.W., 1872, p. 294.
1029. *nobilis* Blackb., Linn. Soc. N.S.W., 1893, p. 63 N.Q.
1030. *oblongus* Blackb., l.c., 1892, p. 464 W.A.
1031. *obscurus* Blackb., l.c., p. 445 N.W.A.
1032. *ocularis* Blackb., l.c., 1893, p. 64 Q.
1033. *opacicollis* Macl., Ent. Soc. N.S.W., 1872, p. 295 .. . N.S.W. & S.Q.
hunterensis Blackb., Linn. Soc. N.S.W., 1893, p. 64.
1034. *palmerensis* Blackb., l.c., p. 65 Q.
1035. *palmerstoni* Blackb., l.c., 1892, p. 443 Q.
1036. *parallellocollis* Geb., Fauna Sudw. Aus., 1908, p. 335 W.A.
1037. *perlongus* Blackb., Linn. Soc. N.S.W., 1892, p. 444 .. . S.A. & W.A.
1038. *picipes* Macl., Ent. Soc. N.S.W., 1872, p. 295 V., N.S.W., Q.
jucundus Blackb., Roy. Soc. S. Aus., 1899, p. 50.
1039. *placidus* Blackb., Linn. Soc. N.S.W., 1892, p. 435 .. . Kellerberrin, W.A.
1040. *plutus* Blackb., l.c., p. 461 N.S.W. & Brisbane, Q.
1041. *polychromus* Pasc., Ann. Mag. Nat. Hist., 1869, p. 348 .. . V. & S.A.
1042. *praetermissus* Cart., Linn. Soc. N.S.W., 1924, p. 42 N.Q.
1043. *prismaticus* Cart., Roy. Soc. S. Aus., 1913, p. 21 .. . Camooweal, Q.
1044. *proditor* Blackb., l.c., 1899, p. 44 N.W.A.
1045. *prospiciens* Blackb., Linn. Soc. N.S.W., 1893, p. 62 W.A.
1046. *proximus* Blackb., l.c., p. 59 Port Denison, Q.
1047. *pulcher* Blackb., l.c., p. 64 Cairns, Q.
1048. *puncticollis* Hope, Ent. Soc. Lond., 1842, p. 78 Perth, W.A.
1049. *punctipennis* Macl., Ent. Soc. N.S.W., 1872, p. 296 .. . Gayndah, Q.
1050. *punctulatus* Blackb., Linn. Soc. N.S.W., 1892, p. 463 .. . N.S.W. & Q.
1051. *purpureus* Germ., Linn. Ent., 1848, p. 199 Adelaide, S.A.
1052. *rugosicollis* Macl., Ent. Soc. N.S.W., 1872, p. 295 .. . Gayndah, Q.
1053. *rugosipennis* Macl., l.c., p. 296 Gayndah, Q.
1054. *scutellaris* Cart., Linn. Soc. N.S.W., 1921, p. 320 .. Kimberley, W.A.

1055. *segnis* Blackb., l.c., 1893, p. 69 N.Q.
 1056. *semiseriatus* Blackb., l.c., 1892, p. 460 N.S.W., V.
 1057. *sericatus* Cart., Roy. Soc. S. Aus., 1913, p. 24 C. York, Q.
 1058. *setosus* Blackb., Linn. Soc. N.S.W., 1892, p. 459 N.Q.
 var. cupriventris Cart., Roy. Soc. S. Aus., 1913, p. 13.
 1059. *smaragdulus* F., Sys. Ent., p. 123 N.A. & N.Q.
 semiticus Pasc., Ann. Mag. Nat. Hist., 1869, p. 349.
 vigilans Blackb., Linn. Soc. N.S.W., 1892, p. 432.
 cairnsi Blackb., l.c., 1893, p. 60.
 triangularis Haag., Verh. Ver. Hamb., 1878, p. 104.
 1060. *sparsus* Blackb., Linn. Soc. N.S.W., 1892, p. 432 N.A.
 1061. *sulcipennis* Hope, Ent. Soc. Lond., 1842, p. 78 Perth, W.A.
 suturalis Pasc., Ann. Mag. Nat. Hist., 1869, p. 350.
 1062. *superbus* Blackb., Linn. Soc. N.S.W., 1890, p. 309 N.A.
 1063. *tenuicornis* Geb., Fauna Sud. W. Aus., 1908, p. 340 W.A.
 1064. *tinctus* Blackb., Linn. Soc. N.S.W., 1892, p. 425 S.A.
 1065. *torpedo* Cart., l.c., 1921, p. 320 N.Q.
 1066. *velutinus* W. S. Macl., King's Surv. Aust., 1827, p. 443, Wyndham, W.A.
 1067. *versicolor* Blackb., Linn. Soc. N.S.W., 1892, p. 424 S.A.
 1068. *viridicollis* W. S. Macl., King's Survey Aust., 1827, p. 443 . . . W.A.
 bicolor Geb., Fauna Sud. W. Aus., 1908, p. 338.
 1069. *vividus* Blackb., Linn. Soc. N.S.W., 1892, p. 438 N.S.W. & Q.
 1070. *zonatus* Blackb., Roy. Soc. S. Aus., 1899, p. 46 N.Q.

Subfamily STRONGYLINAE.

- STRONGYLUM*. Kirby, Linn. Soc. Lond., 1818, p. 417.
 1071. *australe* Mäkl., Mon., 1864, p. 354 Q.
 1072. *corrugatum* Cart., Linn. Soc. N.S.W., 1915, p. 528 N.A.
 1073. *cylindripenne* Cart., l.c., p. 527 Tambourine Mt., Q.
 1074. *longierus* Cart., l.c., 1917, p. 716 Cairns, Q.
 longipes Cart. (nom. praeocc.) l.c., 1915, p. 525.
 1075. *macleayi* Pasc., Jour. Ent., 1863, p. 43 N.S.W. & Q.
 1076. *mastersi* Macl., Ent. Soc. N.S.W., 1872, p. 298 Gayndah, Q.
 1077. *punctithorax* Cart., Linn. Soc. N.S.W., 1915, p. 529 Cairns, Q.
 1078. *ruficollis* Macl., Ent. Soc. N.S.W., 1872, p. 298 Gayndah, Q.
 1079. *vertebrale* Cart., Linn. Soc. N.S.W., 1924, p. 43 (pl. xvii, f. 31) . . N.Q.
EBENOLUS. Fairm., Notes Leyd. Mus., 1897, p. 227.
 1080. *banksi* Cart., Linn. Soc. N.S.W., 1924, p. 43 Moa, Banks Isl.
 1081. *minor* Cart., l.c., p. 44 Moa, Banks Isl.
NOTOSTRONGYLUM. Cart., Linn. Soc. N.S.W., 1915, p. 523.
 1082. *fuscovestitum* Cart., Roy. Soc. S. Aus., 1914, p. 232 . . . Gosford, N.S.W.
 1083. *reticulatum* Mäkl. (*Strongylum*) Mon., 1864, p. 343. Blue Mts., N.S.W.
 and Vic. Alps.
 1084. *rugosicollis* Cart., Linn. Soc. N.S.W., 1915, p. 523 N.Q.
PSEUDOSTRONGYLUM. Kraatz. Deut. Ent. Zeit., 1880, p. 114.
 1085. *viridipenne* Kraatz., l.c., p. 120.

ABBREVIATIONS USED.

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|--------|------------------------|------|----------------------|
| A. | for Australia. | S.A. | for South Australia. |
| N.S.W. | „ New South Wales. | Q. | „ Queensland. |
| V. | „ Victoria. | N.Q. | „ North Queensland. |
| N.W.V. | „ North-west Victoria. | S.Q. | „ South Queensland. |

W.A. for Western Australia.	N.A. for Northern Australia.
N.W.A. „ North-west Australia.	E.A. „ Eastern Australia.
T. „ Tasmania.	C.A. „ Central Australia.
N.T. „ Northern Territory.	C. York „ Cape York Peninsula.

Linn. Soc. N.S.W. for Proceedings of the Linnean Society of N.S.W.

Roy. Soc. S.A. „ Transactions of the Royal Society of South Australia.

Ent. Soc. Lond. „ Transactions of the Entomological Society of London.

Other abbreviations for references are those generally recognised.

A few names [Nos. 79 (*nov. gen. et spec.*), 121, 162, 167, 444, 501, 708, 891] have been included, which are in course of publication in the next Proceedings of the Linnean Society of New South Wales.

An asterisk * placed before a name in the Check-list indicates a species unknown to the author in nature.

EXPLANATION OF PLATES.

Plate xvi.

1. *Zophosis georgii* White.
2. *Tretothorax cleistosoma* Lea.
3. *Exangelthus angustus* Blkb.
4. *Adelodemus excisicollis* Cart.
5. *Ectyche sculpturata* Bates.
6. *Caedimorpha heteromera* King.
7. *Mychestes pascoei* Mael.
8. *Ganyme sapphira* Newm.
9. *Ceropria maculata* Geb.
10. *Platycilibe brevis* Cart.
11. *Uloma westwoodi* Pasc.
12. *Helaeus waitei* Lea.
13. *Saragus incisus* Pasc.
14. *Onosterrhus bos* Cart.
15. *Nyetozeilus deyrollei* Bates.

Plate xvii.

16. *Hypaulax foveata* Cart.
17. *Sloanea costata* Cart.
18. *Meneristes tibialis* Cart.
19. *Brises blairi* Cart.
20. *Prophanes ducalis* Cart.
21. *Chartopteryx imperialis* Cart.
22. *Apterotheca amaroides* Pasc.
23. *Melytra ovata* Pasc.
24. *Cardiothorax grandis* Bates.
25. *Nototrintus jacksoni* Cart.
26. *Adelium helmsi* Cart.
27. *Coripera adamsi* Lea.
28. *Omolipus corvus* Pasc.
29. *Arynaon championi* Blkb.
30. *Chalcopterus caesar* Cart.
31. *Strongylium vertebrale* Cart.